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1907/08



# BRYN MAWR COLLEGE.

## PROGRAM OF GRADUATE COURSES.



1907.



BRYN MAWR COLLEGE


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PROGRAM  
OF  
GRADUATE COURSES.

1907.

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1907.



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# BRYN MAWR COLLEGE.

## COLLEGE CALENDAR.

1907.														1908.														
JANUARY.							JULY.							JANUARY.							FEBRUARY.							
Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.	Su.	M.	Tu.	W.	Th.	Fr.	Sa.	
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FEBRUARY.							AUGUST.							FEBRUARY.							MARCH.							
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MARCH.							SEPTEMBER.							MARCH.							APRIL.							
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31	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
APRIL.							OCTOBER.							APRIL.							MAY.							
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MAY.							NOVEMBER.							MAY.							JUNE.							
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12	13	14	15	16	17	18	10	11	12	13	14	15	16	10	11	12	13	14	15	16	17	18	19	20	21	22		
19	20	21	22	23	24	25	17	18	19	20	21	22	23	17	18	19	20	21	22	23	24	25	26	27	28	29		
26	27	28	29	30	31	...	24	25	26	27	28	29	30	24	25	26	27	28	29	30	...	...	...	...	...	...	...	
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JUNE.							DECEMBER.							JUNE.							JULY.							
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9	10	11	12	13	14	15	15	16	17	18	19	20	21	14	15	16	17	18	19	20	21	22	23	24	25	26		
16	17	18	19	20	21	22	22	23	24	25	26	27	28	21	22	23	24	25	26	27	28	29	30	...	...	...		
23	24	25	26	27	28	29	29	30	31	...	...	...	...	28	29	30	...	...	...	...	...	...	...	...	...	...	...	
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The academic year will close with the Conferring of Degrees at eleven o'clock, on June 4th, 1908.

## ACADEMIC YEAR 1907-08.

September 23rd	Matriculation examinations begin.
September 27th.	Matriculation examinations end.
September 30th.	Registration of students. Halls of Residence open for students at three p. m.
October 1st.	Registration of students.
October 2nd.	The work of the twenty-third academic year begins at a quarter to nine o'clock.
October 3rd.	Examinations for advanced standing begin.
October 24th.	Examinations for advanced standing end.
October 26th.	Senior oral examination in French.
November 2nd.	Senior oral examination in German.
November 11th.	Private reading examinations begin.
November 16th.	Private reading examinations end.
November 18th.	Collegiate and matriculation condition examinations begin.
November 26th.	Collegiate and matriculation condition examinations end
November 27th.	Thanksgiving vacation begins at one o'clock.
December 2nd	Thanksgiving vacation ends at nine o'clock.
December 7th.	Senior oral examination in French and German.
December 18th.	Christmas vacation begins at one o'clock.
January 3rd.	Christmas vacation ends at nine o'clock.
January 13th.	Private reading examinations begin.
January 18th.	Private reading examinations end.
January 22nd.	Half-yearly collegiate examinations begin.
January 27th.	Matriculation examinations begin for candidates intending to enter the college at the half-year.
January 31st.	Matriculation examinations end.
February 1st.	Collegiate examinations end.
February 3rd.	Vacation.
February 4th.	Vacation.
February 5th.	The work of the second semester begins at a quarter to nine o'clock.
February 6th.	Examinations for advanced standing begin.
February 27th.	Examinations for advanced standing end.
March 16th.	Private reading examinations begin.
March 21st.	Private reading examinations end.
April 6th.	Collegiate and matriculation condition examinations begin.
April 11th.	Senior oral examinations in French and German.
April 14th.	Collegiate and matriculation condition examinations end.
April 15th.	Easter vacation begins at one o'clock.
April 23rd.	Easter vacation ends at nine o'clock.
May 1st.	May Day Celebration, five to half-past eight a. m.
May 9th.	Senior oral examinations in French and German.
May 11th.	Private reading examinations begin.

May 16th.	Private reading examinations end.
May 19th.	Vacation.
May 20th.	Collegiate examinations begin.
May 25th.	Matriculation examinations begin.
May 30th.	Collegiate examinations end.
June 2nd.	Matriculation examinations end.
June 4th.	Conferring of degrees and close of twenty-third academic year.

#### ACADEMIC YEAR, 1908-09.

September 21st.	Matriculation examinations begin.
September 29th.	Matriculation examinations end.
September 28th.	Registration of students. Halls of Residence open for students at three p. m.
September 29th.	Registration of students.
September 30th.	The work of the twenty-fourth academic year begins at a quarter to nine o'clock.



## CORPORATION.

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*President.*

HENRY TATNALL,  
*Treasurer.*

EDWARD BETTLE, JR.,  
*Secretary.*

CHARLES HARTSHORNE.

THOMAS SCATTERGOOD.\*

DAVID SCULL.

HENRY TATNALL.

ALBERT K. SMILEY.

JAMES WOOD.

EDWARD BETTLE, JR.

RUFUS M. JONES.

HOWARD COMFORT.

ALEXANDER C. WOOD.

JUSTUS C. STRAWBRIDGE.

M. CAREY THOMAS.

FRANCIS R. COPE, JR.

## BOARD OF DIRECTORS.

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M. CAREY THOMAS.

HOWARD COMFORT.

FRANCIS R. COPE, JR.

JUSTUS C. STRAWBRIDGE.

MARY E. GARRETT.

THOMAS SCATTERGOOD.\*

ANNIE CROSBY EMERY ALLINSON.

HENRY TATNALL.

ELIZABETH BUTLER KIRKBRIDE.

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\* Deceased, April 18th, 1907.



## ACADEMIC APPOINTMENTS.

ACADEMIC YEAR, 1906-07.

M. CAREY THOMAS, PH.D., LL.D., *President of the College and Professor of English.*

A.B., Cornell University, 1877; studied at the Johns Hopkins University, 1877-78; University of Leipsic, 1879-82; Ph.D., University of Zürich, 1882; Sorbonne and Collège de France, 1883; Dean of the Faculty of Bryn Mawr College and Professor of English, 1885-94.

CHARLOTTE ANGAS SCOTT, D.Sc., *Professor of Mathematics.*

Lincoln, England. Graduate in Honours, Girton College, University of Cambridge, England, 1880; B.Sc., University of London, 1882; Lecturer on Mathematics in Girton College, 1880-84; lectured in connection with Newnham College, University of Cambridge, England, 1880-83; D. Sc., University of London, 1885.

HERMANN COLLITZ, PH.D., *Professor of Comparative Philology and German.*

Bleckede, Hanover, Germany. University of Göttingen, 1875-78; University of Berlin, 1878-81; Ph.D., University of Göttingen, 1878; Privatdocent in the University of Halle, 1885-86.

CHARLES McLEAN ANDREWS, PH.D., L.H.D., *Professor of History.*

A.B., Trinity College, 1884; Fellow in Johns Hopkins University, 1888-89; Ph.D., Johns Hopkins University, 1889.

GEORGE A. BARTON, PH.D., *Professor of Biblical Literature and Semitic Languages*

A.B., Haverford College, 1882, and A.M., 1885; studied under the direction of the American Institute of Hebrew, 1885-86; Harvard University, 1888-91; Thayer Scholar, Harvard University, 1889-91; A.M., Harvard University, 1890; Ph.D., Harvard University, 1891; Director of the American School of Oriental Studies in Palestine, 1902-03.

JOSEPH W. WARREN, M.D., *Associate Professor of Physiology.*

A.B., Harvard College, 1871; University of Berlin, 1871-72; University of Leipsic, 1872-73; University of Bonn, 1873-79; M.D., University of Bonn, 1880; Assistant and Instructor in Physiology, Harvard Medical School, 1881-91; Lecturer in Medical Department of the University of the City of New York, 1885-86; Lecturer in Physiology, University of Michigan, 1889.

ELMER P. KOHLER, PH.D., *Professor of Chemistry.*

A.B., Muhlenberg College, 1886, and A.M., 1889; Johns Hopkins University, 1889-91; Fellow in Chemistry, Johns Hopkins University, 1891-92; Ph.D., Johns Hopkins University, 1892.

FLORENCE BASCOM,\* PH.D., *Professor of Geology.*

A.B., University of Wisconsin, 1882, B.Sc., 1884, and A.M., 1887; Johns Hopkins University, 1891-93; Ph.D., Johns Hopkins University, 1893; Assistant in Geology and Instructor in Petrography, Ohio State University, 1893-95.

ISABEL MADDISON, B.Sc., PH.D., *Assistant to the President and Associate in Mathematics.*

B.Sc., University of London, 1893, Ph.D., Bryn Mawr College, 1896, and B.A., Trinity College, Dublin, 1905; Graduate Student in Mathematics, Bryn Mawr College, 1892-93, and Fellow in Mathematics, 1893-94; Holder of the Mary E. Garrett European Fellowship, and Student in Mathematics, University of Göttingen, 1894-95.

WILMER CAVE WRIGHT,† PH.D., *Lecturer‡ in Greek Literature.*

Girton College, University of Cambridge, England, 1888-92; Classical Tripos, 1892; Fellow in Greek, Bryn Mawr College, 1892-93; Fellow in Latin, University of Chicago, 1893-94, and Fellow in Greek, 1894-95; Ph.D., University of Chicago, 1895; Reader in Greek and Latin, University of Chicago, 1895-96.

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\* Granted leave of absence for the year 1906-07.

† Mrs. J. Edmund Wright.

‡ Associate Professor (elect) of Greek.

JAMES H. LEUBA,\* Ph.D., *Professor of Psychology and Education and Director of the Psychological Laboratory.*

B.S., Neuchâtel, Switzerland, 1886; Ph.B., Ursinus College, 1888; Scholar in Psychology, Clark University, 1892-93; Fellow in Psychology, Clark University, 1893-95; Ph.D., Clark University, 1896.

FONGER DEHAAN, Ph.D., *Professor of Spanish.*

Leeuwarden, Holland. Ph.D., Johns Hopkins University, 1895; Instructor in Modern Languages, Lehigh University, 1885-91; Fellow in Romance Languages, Johns Hopkins University, 1893-94; Assistant in Romance Languages, Johns Hopkins University, 1893-95; Instructor in Romance Languages, Johns Hopkins University, 1895-96; Associate in Romance Languages, Johns Hopkins University, 1896-97.

ALBERT SCHINZ, Ph.D., *Associate Professor of French Literature.*

Neuchâtel, Switzerland. A.B., University of Neuchâtel, 1888, and A.M., 1889. Licentiate in Theology, 1892; Student, University of Berlin, 1892-93; University of Tübingen, 1893; Ph.D., University of Tübingen, 1894; Sorbonne and Collège de France, 1894; Privatdocent, University of Neuchâtel, 1896-97; Instructor in French, Clark University, 1897-98; Instructor in French, University of Minnesota, 1898-99.

ARTHUR LESLIE WHEELER, Ph.D., *Professor of Latin.*

A.B., Yale University, 1893; Scholar and Student in Classics, Yale College, 1893-96; Ph.D., Yale University, 1896; Instructor and Tutor in Latin, Yale College, 1894-1900.

DAVID IRONS,† Ph.D., *Professor of Philosophy.*

A.M., University of St. Andrews, Honours in Philosophy, 1891; Ramsay Scholar, University of St. Andrews, 1891-92; Ferguson Scholar in Philosophy, 1892-94; Fellow in Philosophy, Cornell University, 1892-93; Universities of Berlin and Jena, 1893-94; Ph.D., Cornell University, 1894; Lecturer in Philosophy, Cornell University, 1894-96, and Instructor in Philosophy, 1897-1900; Acting Professor in charge of the department of Philosophy, University of Vermont, 1896-97.

LUCIEN FOULET, *Professor of French Literature.*

Licencié des Lettres, University of Paris, 1896; Ecole normale supérieure and the Sorbonne, 1896-97; University of Cambridge, England, and University College, London, 1898; Licencié d'Anglais, University of Paris, 1898; Ecole normale supérieure and the Sorbonne, 1899.

HENRY NEVILL SANDERS, Ph.D., *Professor of Greek.*

A.B., Trinity University, Toronto, 1894, and A.M., 1897; Ph.D., Johns Hopkins University, 1903; Fellow in Greek, Johns Hopkins University, 1897-98; Lecturer in Greek, McGill University, 1900-02.

DAVID WILBUR HORN, Ph.D., *Associate Professor of Chemistry.*

A.B., Dickinson College, 1897, and A.M., 1898; Ph.D., Johns Hopkins University, 1900; Graduate Scholar, Johns Hopkins University, 1899-1900; Fellow by Courtesy, and Assistant in Analytical Chemistry, Johns Hopkins University, 1900-01.

WILLIAM B. HUFF, Ph.D., *Associate Professor of Physics.*

A.B., University of Wisconsin, 1889; A.M., University of Chicago, 1896; Ph.D., Johns Hopkins University, 1900; Lecture Assistant in Physics, Johns Hopkins University, 1899-1900, Assistant in Physics, 1900-01, and Instructor in Physics, 1901-02.

WILLIAM ROY SMITH, Ph.D., *Associate in History.*

A.B., University of Texas, 1897, and A.M., 1898; Ph.D., Columbia University, 1903; Acting Professor of History and Political Science, University of Colorado, 1900-01; Lecturer in History, Barnard College, 1901-02.

BENJAMIN LE ROY MILLER, Ph.D., *Associate in Geology.*

A.B., University of Kansas, 1897; Professor of Biology and Geology, Penn College, 1897-1900; Assistant in U. S. Weather Bureau, 1900-03; Fellow in Geology, Johns Hopkins University, 1901-03, and Ph.D., 1903.

J. EDMUND WRIGHT, M.A., *Associate Professor of Mathematics.*

Liverpool, England. Graduate in Honours (Senior Wrangler) in the Cambridge Mathematical Tripos, 1900, and First Division, First Class, Mathematical Tripos, Part II, 1901; Smith's prizeman, 1902; Fellow of Trinity College, University of Cambridge, England.

\* Granted leave of absence for the year 1907-08. † Deceased, January 23rd, 1907.

LUCY MARTIN DONNELLY, A.B., *Lecturer in English.*

A.B., Bryn Mawr College, 1893; University of Oxford, England, and University of Leipsic, 1893-94, Sorbonne and Collège de France, and University of Leipsic, 1894-95.

CLARENCE CARROLL CLARK,\* Ph.D., *Associate in English.*

A.B., Johns Hopkins University, 1896; Ph.D., Yale University, 1903; Scholar in Romance Languages, Johns Hopkins University, 1896-97; Instructor in Modern Languages, Toledo, Ohio, 1897-99; Scholar in English, Yale University, 1901-02; Student in Oxford, Cambridge, and Berlin, 1902-03.

GEORGE W. TAPLEY WHITNEY, Ph.D., *Associate in Philosophy.*

Ph.B., University of Vermont, 1897, and A.M., 1902; Sage Scholar in Philosophy, Cornell University, 1901-02, Sage Fellow in Philosophy, 1902-03, and Ph.D., Cornell University, 1903.

KARL DETLEV JESSEN, Ph.D., *Associate in German Literature.*

Winnemark, Schleswig-Holstein, Germany. A.B., University of Chicago, 1896, and Fellow in German, 1897-98; Ph.D., University of Berlin, 1901; University of Chicago, 1895-98; University of Kiel, 1899; University of Berlin, 1898-99, 1899-1901; Acting Professor of Modern Languages, Eureka College, 1896; Instructor in German, Iowa State University, 1897; Instructor in German, Harvard University, 1901-03, and Lecturer on German Literature and Aesthetics, 1904.

TENNEY FRANK, Ph.D., *Associate in Latin.*

A.B., University of Kansas, 1898, and A.M., 1899; Ph.D., University of Chicago, 1903; Fellow, University of Chicago, 1899-1901; Assistant and Associate in Latin, University of Chicago, 1901-04.

DAVID HILT TENNENT, Ph.D., *Associate Professor of Biology.*

S.B., Olivet College, 1900; Fellow, Johns Hopkins University, 1902-04; Bruce Fellow, Johns Hopkins University, 1904; Ph.D., Johns Hopkins University, 1904.

NETTIE MARIA STEVENS, Ph.D., *Associate in Experimental Morphology.*

A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903. Student in Hopkins Seaside Laboratory, Pacific Grove, Summer, 1897; 1898, 1899, and 1900; Graduate Scholar in Biology, Bryn Mawr College, 1900-01, Holder of the President's European Fellowship, and Student, Zoological Station, Naples, and University of Würzburg, 1901-02; Fellow in Biology, Bryn Mawr College, 1902-03, and Research Fellow in Biology, 1903-04; Carnegie Research Assistant, 1904-05.

HENRY RAYMOND MUSSEY, Ph.D., *Associate Professor of Economics and Politics.*

A.B., Beloit College, 1900; Ph.D., Columbia University, 1905; University Fellow, Columbia University, 1901-02; Lecturer and Assistant Professor of Economics and Industry, New York University, 1903-05.

CARLETON FAIRCHILD BROWN, Ph.D., *Associate in English Philology.*

A.B., Carleton College, 1888; A. M., Harvard University, 1901, and Ph.D. 1903. Shattuck Scholar, Harvard University, 1901-03; Instructor in English, Harvard University, 1903-05.

CAROLINE LOUISE RANSOM, Ph.D., *Associate in the History of Art and Classical Archaeology.*

A.B., Mt. Holyoke College, 1896; A.M., University of Chicago, 1900 and Ph.D., 1905; Fellow, University of Chicago, 1898-99, 1903-05; Student in Berlin, London, Paris and Athens, 1900-03.

JAMES BARNES, Ph.D., *Associate in Physics.*

B.A., Dalhousie University, Honours in Mathematics and Physics, 1899, and M.A., 1900; Ph.D., Johns Hopkins University, 1904. Holder of 1851 Exhibition Science Research Scholarship, 1900-03; Fellow, Johns Hopkins University, 1903-04, and Assistant in Physics, 1904-06.

RICHARD THAYER HOLBROOK, Ph.D., *Associate in French Philology and Italian.*

A.B., Yale University, 1893; Ph. D., Columbia University, 1902. Sorbonne, Collège de France, Ecole des Chartes, 1893-94, 1895-96; Student in Italy and University of Berlin, 1894-95; Student in Spain, 1901; Tutor in the Romance Languages and Literatures, Yale University, 1896-1901, and Columbia University, 1902-06.

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\* Granted leave of absence for the year 1906-07.

ROBERT MATTESON JOHNSTON, M.A., LL.B., *Associate Professor (elect) of History.*

B.A., University of Cambridge, 1889, and M.A., 1900. LL. B., 1892. Lecturer in History, Harvard University, 1904-07; Mt. Holyoke College, 1904-06; Simmons College, 1905-06.

THEODORE DE LEO DE LAGUNA, PH.D., *Associate Professor (elect) in Philosophy.*

A.B., University of California, 1896, and A.M., 1899; Ph.D., Cornell University, 1901. Teacher in the Government Schools of the Philippine Islands, 1901-04; Honorary Fellow and Assistant in Philosophy, Cornell University, 1904-05; Assistant Professor of the Philosophy of Education, University of Michigan, 1905-07.

CHARLES CLARENCE WILLIAMSON, A.B., *Associate (elect) in Political Science.*

A.B., Western Reserve University, 1904. Assistant in Economics and Graduate Student, Western Reserve University, First Semester, 1904-05; Scholar in Political Economy, University of Wisconsin, 1904-05; Graduate Student, University of Wisconsin, 1905-06; University Fellow in Political Economy, Columbia University, 1906-07; Research Assistant of the Carnegie Institution, 1905-07.

GEORGE SHANNON FORBES, PH.D., *Associate (elect) in Chemistry.*

A.B., Harvard University, 1902, A.M., 1904, and Ph.D., 1905. Lecturer in Physical Chemistry, Harvard University, 1905-06; John Harvard Fellow, and Student in the University of Berlin, 1906-07.

PERCY WALDRON LONG, PH.D., *Lecturer in English Literature.*

A.B., Harvard University, 1898, A.M., 1902, and Ph.D., 1906.

CLARENCE ERROL FERREE, A.M., M.S., *Lecturer (elect) in Psychology.*

B. S., Ohio Wesleyan University, 1900, A.M., 1901, and M.S., 1902. Fellow in Psychology, Cornell University, 1902-03; Assistant in Psychology, Cornell University, 1903-07.

CLARENCE D. ASHLEY, LL.M., LL. D., J.D., *Non-Resident Lecturer in Law.*

A.B., Yale University, 1873; University of Berlin, 1876-78; LL.B., Columbia University, 1880; J.D., New York University, 1903; Professor of Law, Metropolis Law School, 1891-95; Professor of Law, New York University, 1895-1903; Vice-Dean of the Faculty of Law in charge of the Evening Division of the Law Department of New York University, 1895-96; Dean of the Faculty of Law, New York University, 1896-1907.

SAMUEL ARTHUR KING, A.M., *Non-Resident Lecturer in Elocution.*

A.M., University of London, 1900. Special Lecturer in Elocution, Johns Hopkins University, 1901; Special Lecturer in Elocution, University of California, 1902.

ROSE CHAMBERLIN, M.A., *Reader in German.*

Great Yarmouth, England. M.A., Trinity College, Dublin, 1905; Graduate in Honours, Newnham College, University of Cambridge, England, 1886 (Mediaeval and Modern Languages Tripos, First Class).

HARRIET RANDOLPH, PH.D., *Demonstrator in Biology and Reader in Botany.*

A.B., Bryn Mawr College, 1889; Fellow in Biology, Bryn Mawr College, 1889-90; University of Zürich, 1890-92; Ph.D., University of Zürich, 1892.

HELEN STRONG HOYT, A.M., *Reader in English.*

A.B., Bryn Mawr College, 1897, and A.M., 1898; Bryn Mawr College, 1897-98.

KATHARINE FULLERTON, A.M., *Reader in English.*

A.B., Radcliffe College, 1900, and A.M., 1901.

REGINA KATHARINE CRANDALL, PH.D., *Reader in English.*

A.B., Smith College, 1890; Ph.D., University of Chicago, 1902. Graduate Student, University of Chicago, 1893-94, and Fellow in History, 1894-96; Assistant in History, Smith College, 1896-99; Instructor in History, Wellesley College, 1899-1900.

KATHARINE LORD, A.B., *Reader in English.*

A.B., Bryn Mawr College, 1901. Graduate Student, Radcliffe College, 1902-03; Instructor in English, Wellesley College, First Semester, 1903.



ORIE LATHAM HATCHER, PH.D., *Reader in English.*

A.B., Vassar College, 1888. Ph.D., University of Chicago, 1903. Graduate Student University of Chicago, 1901-03, and Fellow in English, 1903-04.

GEORGIANA GODDARD KING, A.M., *Reader in English.*

A.B., Bryn Mawr College, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97, and Fellow in English, 1897-98. Collège de France, First Semester, 1898-99.

ABBY KIRK, A.B., *Reader in Greek.*

A.B., Bryn Mawr College, 1892. Reader in English, Bryn Mawr College, 1892-98.

MARION PARRIS, A.B., *Reader (elect) in Economics and Politics.*

A.B., Bryn Mawr College, 1901. Graduate Student, Bryn Mawr College, 1902-05, Fellow in Economics and Politics, 1905-06; Bryn Mawr College Research Fellow and Student in Economics and Politics, University of Vienna, 1906-07.

BERTHA MARION PILLSBURY, A.M., *Reader (elect) in English.*

A.B., University of Illinois, 1895; A.M., Radcliffe College, 1898. Radcliffe College 1896-98, 1906-07. Instructor in English, University of Illinois, 1904-06.

GRACE MAXWELL FERNALD, A.M., *Reader (elect) in Education and Demonstrator (elect) in Psychology.*

A.B., Mt. Holyoke College, 1903, and A.M., 1905. Mt. Holyoke College, 1903-04; Graduate Scholar, Bryn Mawr College, 1904-05, and Graduate Student, 1905-06; Fellow in Psychology, University of Chicago, 1906-07.

FRANCES LOWATER,\* B.Sc., PH.D., *Demonstrator in Physics.*

Nottingham, England. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906; University College, Nottingham, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Fellow in Physics, Bryn Mawr College, 1896-97, and Graduate Scholar in Physics, 1897-98; Secretary of Bryn Mawr College, 1898-99.

GERTRUDE LANGDEN HERITAGE, A.M., *Demonstrator in Chemistry.*

A.B., Bryn Mawr College, 1896, and A.M., 1899. Graduate Student in Chemistry, Bryn Mawr College, 1896-97, 1898-1900, and Graduate Student in Mathematics and Chemistry, 1897-98.

HELEN ELIZABETH SCHAEFFER, A.B., *Demonstrator in Physics.*

A.B., Dickinson College, 1903. Scholar in Mathematics, Bryn Mawr College, 1903-04, Fellow in Physics, 1904-05 and Holder of the Mary E. Garrett European Fellowship and Student in Mathematics and Physics, University of Göttingen, 1905-06.

CLARA JEAN WEIDENSALL, A.B., *Demonstrator in Psychology.*

A.B., Vassar College, 1903. University of Chicago, 1903-05. Scholar in Psychology, Bryn Mawr College, 1906-07.

FLORENCE HANINGTON, A.B., *Secretary of the College.*

A.B., Trinity University, 1904. Scholar in Mathematics, Bryn Mawr College, 1904-05, and Fellow in Mathematics, 1905-06.

ETHEL MCCOY WALKER, A.M., *Appointment Secretary.*

A.B., Bryn Mawr College, 1894, and A. M., 1904. Graduate Scholar in Archæology, Bryn Mawr College, 1902-04. Recording Secretary, 1904-06.

EMILY LEDYARD SHIELDS, A.M., *Recording Secretary and Appointment Secretary.*

A.B., Bryn Mawr College, 1905, and A.M., 1906. Holder of the Bryn Mawr European Fellowship and Student, Bryn Mawr College, 1905-06.

ISADORE GILBERT MUDGE, PH.B., B.L.S., *Librarian.*

Ph.B., Cornell University, 1897. B.L.S., New York State Library School, 1900. Reference Librarian and Assistant Professor of Library Economy, University of Illinois, 1900-03.

MINNIE EARL SEARS, M.S., B.L.S., *Head Cataloguer.*

M.S., Purdue University, 1894; B.L.S., University of Illinois, 1900; Assistant, Library of the University of Illinois, 1901, and Assistant Cataloguer, 1901-03.

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\* Granted leave of absence for the year 1906-07.

GEORGE S. GERHARD, M.D., *Consulting Physician of the College.*

THOMAS F. BRANSON, M.D., *Attending Physician of the College.*

ELLA B. EVERITT A.M., M.D., *Visiting Physician of the College.*

A.B., Wilson College, 1888, and A.M., 1891; M.D., Woman's Medical College of Pennsylvania, 1891; Resident Physician, Woman's Hospital of Philadelphia, 1891-92; Medical Superintendent, Northwestern Hospital, Minneapolis, Minn., 1892-93; Assistant Physician, St. Peter State Hospital, Minnesota, 1893-96; Chief Resident Physician, Woman's Hospital of Philadelphia, 1897-1902; Professor of Gynecology at the Woman's Medical College of Pennsylvania, and Attending Gynecologist at the Woman's Hospital of Philadelphia, 1902.

CONSTANCE M. K. APPLEBEE, *Director of Athletics and Gymnastics.*

EMMA ISABELLA SISSON, *Assistant Director of Athletics and Gymnastics.*

MARY WARREN TAYLOR, *Keeper of Gymnastic Records.*

ESTHER HOY TAYLOR, *Bursar.*

BESSIE LIVINGSTONE, *Junior Bursar.*

CAROLINE LEWIS, *Superintendent of Buildings and Grounds.*

### *The Academic Committee of the Alumnæ.*

ELIZABETH WINSOR PEARSON, A.B. (Mrs. Henry Greenleaf Pearson),  
*Chairman, Dudley Road, Newton Centre, MASS.*

ELEANOR LOUISA LORD, PH.D., *Secretary, Woman's College of Baltimore,*  
*BALTIMORE, MD.*

EVANGELINE WALKER ANDREWS, A.B., (Mrs. Charles McLean Andrews)  
*(ex officio), BRYN MAWR, PA.*

LOUISE SHEFFIELD BROWNELL SAUNDERS, A.B., (Mrs. Arthur Percy Saunders)  
*CLINTON, NEW YORK.*

MARION EDWARDS PARK, A.M., 26 *Cabot Street, PROVIDENCE, R. I.*

SUSAN BRALEY FRANKLIN, PH.D., 270 *West Ninety-fourth Street, NEW*  
*YORK CITY.*

MARION REILLY, A.B., 2015 *De Lancey Place, PHILADELPHIA.*

NELLIE NEILSON, PH.D., *Mt. Holyoke College, SOUTH HADLEY, MASS.*

### *Honorary Corresponding Secretaries.*

*The following honorary corresponding secretaries, all of whom are graduates of Bryn Mawr College, have kindly consented to act as representatives of the college in the cities in which they live, and will at any time be glad to answer questions about the college:*

NEW YORK CITY: MISS EMILY REDMOND CROSS, 6 *Washington Square.*

PHILADELPHIA: MRS. ADOLPH E. BORIE, 1012 *Spruce Street.*

BALTIMORE: MRS. ANTHONY MORRIS CAREY, 1004 *Cathedral Street.*

SYRACUSE, N. Y.: MRS. JOHN DEY, 213 *Highland Avenue.*

PITTSBURGH, PA.: MRS. JOHN BRUCE ORR, 5443 *Penn Avenue.*

SCRANTON, PA.: MISS ALICE BELIN.

PROVIDENCE, R. I.: MISS LOUISE BUFFUM CONGDON, 87 *Cooke Street.*

NEW HAVEN, CONN.: MISS ELIZABETH DAY SEYMOUR, 34 *Hillhouse Avenue.*

BOSTON, MASS.: MRS. INGERSOLL BOWDITCH, 19 *Buckingham Street, Cambridge.*

FALL RIVER, MASS.: MRS. RANDALL NELSON DURFEE, 435 *Cherry Street.*

WINSTON, N. C.: MISS CARO FRIES BUXTON, 520 *Summit Street.*

CHICAGO, ILL.: MISS ETHEL EUGENIE HOOPER, 10 *Astor Street.*

INDIANAPOLIS, IND.: MRS. FRANK NICHOLS LEWIS, 4 *West St. Joe Street.*

MADISON, WIS.: MRS. MOSES STEPHEN SLAUGHTER, 633 *Frances Street.*

SALT LAKE CITY, UTAH: MISS KATE WILLIAMS, C/o Mr. P. L. Williams.

UTICA, N. Y.: MRS. ARTHUR PERCY SAUNDERS, *Clinton, N. Y.*

ENGLAND: THE HON. MRS. BERTRAND RUSSELL, *Bagley Wood, Oxford.*

MRS. HARRY MARTINEAU FLETCHER, 31 *Maida Hill, London, W.*



## STUDENTS.

*Fellows and Graduate Students, Academic Year, 1906-07.*

HELEN MOSS LOWENGRUND,

*Holder of the Bryn Mawr European Fellowship.*

Philadelphia, Pa. A.B., Bryn Mawr College, 1906. Graduate Scholar in Latin, Bryn Mawr College, 1906-07.

MARY LOUISE CADY,

*Holder of the Mary E. Garrett European Fellowship.*

Holyoke, Mass. A.B. and A.M., Radcliffe College, 1904. Graduate Scholar in Greek, Bryn Mawr College, 1904-05; Fellow in Greek, Bryn Mawr College, 1905-06; Student, University of Berlin, 1906-07.

NADINE NOWLIN, .... *Holder of the President's European Fellowship.*

Hiawatha, Kan. A.B., and A.M., University of Kansas, 1903. Fellow in Biology, Bryn Mawr College, 1905-06; Demonstrator in Biology, University of Kansas, 1906-07.

MARION PARRIS, .... *Holder of the Bryn Mawr Research Fellowship.*

New York City. A.B., Bryn Mawr College, 1901. Private Tutor, 1901-02; Warden of Summit Grove, Bryn Mawr College, 1902-03; of Summit Grove and Rockefeller Hall, 1903-04; and of Rockefeller Hall, 1904-05; Graduate Student, Bryn Mawr College, 1902-05, and Fellow in Economics and Politics, 1905-06; Summer School, University of Jena, 1906; University of Vienna, 1906-07.

ELIZABETH L. HARRISON, ..... *Fellow in Greek.*

Liverpool, England. Liverpool University College, 1897-98; Newnham College, University of Cambridge, England, 1898-1902; Classical Tripos, Part I, 1901, Part II, 1902.

WILHELMINA GORDON, ..... *Fellow in Latin.*

Kingston, Ont. M.A., Queen's University, 1905. Graduate Scholar in English, Bryn Mawr College, 1905-06.

LOUISE DUDLEY, ..... *Fellow in English.*

Georgetown, Ky. A.B., Georgetown College, 1905. Graduate Student, Bryn Mawr College, 1905-06.

BERTHA REED, ..... *Fellow in Teutonic Philology.*

Decatur, Ill. Illinois Woman's College, 1893-96. Ph.B., De Pauw University, 1898.

MARY PATTERSON CLARKE, ..... *Fellow in History.*

Lawrence, Kan. A.B., University of Kansas, 1904, and A.M., 1905. Graduate Student, University of Kansas, 1904-06.

EDNA ASTON SHEARER, ..... *Fellow in Philosophy.*

Philadelphia, Pa. A.B., Bryn Mawr College, 1904. Junior Fellow in Philosophy, Bryn Mawr College, 1904-05; Holder of the President's European Fellowship and Student, University of Edinburgh, 1905-06.

SARAH BREWER FRANCIS RABOURN, ..... *Fellow in Mathematics.*

Centralia, Mo. A.B., University of Missouri, 1902, and A.M., 1904.

SUE AVIS BLAKE, ..... *Fellow in Physics.*

Philadelphia, Pa. A.B., Bryn Mawr College, 1898, and A.M., 1900. Demonstrator and Graduate Student in Physics, Bryn Mawr College, 1898-99 and 1904-06; Graduate Student, Bryn Mawr College, and Teacher of Mathematics and Science in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1900; Assistant in Physics, Smith College, 1900-02, 1903-04.

- MINNIE ALMIRA GRAHAM, ..... *Fellow in Chemistry*.  
 Lockport, N. Y. A.B., Mount Holyoke College, 1900; A.M., University of Michigan, 1906. Teacher of Mathematics and Science in the High School, Hancock, N. Y., 1900-01, and Instructor in Chemistry, Mount Holyoke College, 1902-05; Student in Physics, Massachusetts Institute of Technology, First semester, 1901-02; Graduate Student, University of Michigan and Holder of the '86 Fellowship of Mount Holyoke College, 1905-06.
- ALICE MIDDLETON BORING, ..... *Fellow in Biology*.  
 Philadelphia, Pa. A.B., Bryn Mawr College, 1904, and A.M., 1905. Graduate Scholar in Biology and Assistant in the Biological Laboratory, Bryn Mawr College, 1904-05; Moore Fellow in Zoölogy, University of Pennsylvania, 1905-06.
- GRACE ALBERT, ..... *Biblical Literature*.  
 Philadelphia, Pa. A.B., Bryn Mawr College, 1897, and A.M., 1903; Private Tutor, 1897-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1899-1901, of History, 1905-07; and Secretary, 1901-02; Graduate Student, Bryn Mawr College, 1901-02, and 1904-06; Graduate Scholar in History and Economics and Politics, 1902-03; Fellow in History and Student, University of London; engaged in research work in the Public Records Office, London, and in the University of Oxford, 1903-04.
- EVANGELINE HOLCOMBE WALKER ANDREWS,\* ..... *French*.  
 Washington, D. C. A.B., Bryn Mawr College, 1893. Teacher of English in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1893-95; Graduate Student, Bryn Mawr College, 1899-1902, 1905-06; Junior Bursar, Bryn Mawr College, 1901-03.
- ANNA WARD AVEN, ..... *Greek and Latin*.  
 Clinton, Miss. A.B., Mississippi College, 1905.
- HARRIET MATHER BROWNELL, ..... *Archæology*.  
 Bryn Mawr, Pa. A.B., Bryn Mawr College, 1896. Teacher of Latin, Greek, and Mathematics in the Passaic Collegiate School, Passaic, N. J., 1896-99, and Teacher of Greek and Latin, 1899-1905; Student in Latin and Archæology, University of Munich, and American School of Classical Studies, Rome, 1905-06; Teacher of Latin in the Holman School, Philadelphia, Pa., 1906-07.
- MARGARET ELIZABETH BRUSSTAR, ..... *Mathematics*.  
 Birdsboro, Pa. A.B., Bryn Mawr College, 1903. Teacher of Latin and Mathematics, Miss Gleim's School, Pittsburgh, Pa., 1903-04; Teacher of Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1904-07.
- MARIANNA NICHOLSON BUFFUM, ..... *Graduate Scholar in Latin*.  
 Newport, R. I. A.B., Bryn Mawr College, 1902. Teacher of Latin, Rosemary Hall, Greenwich, Conn., 1902-04, and of Latin and Greek, 1904-06.
- MARY CACY BURCHINAL, .... *Graduate Scholar in Teutonic Philology*.  
 Chestertown, Md. A.B., Washington College, 1896, and A.M., 1899. Student, University of Marburg, summer, 1903; Graduate Scholar in Romance Languages, Bryn Mawr College, 1905-06.
- ANNA LEWIS COLE, ..... *French*.  
 Baltimore, Md. A.B., Woman's College of Baltimore, 1892, and A.M., 1894. Student in English and French, Sorbonne, 1894-95; Fellow in Romance Languages, Bryn Mawr College, 1895-96; Head Teacher of Modern Languages, Winthrop Normal and Industrial College, Rock Hill, S. C., 1897-1903, 1904-05; Fellow in Romance Languages, University of Chicago, 1903-04; Head of French Department, Friends' Central School, Philadelphia, Pa., 1905-06.
- RUTH HILMA COOK, ..... *History*.  
 Woonsocket, R. I. A.B., Mount Holyoke College, 1905.

\*Mrs. Charles McLean Andrews.

- KLARA HECHTENBERG COLLITZ,†.....*Sanskrit and Teutonic Philology.*  
Rheydt, Rhenish Prussia, Germany. Oxford University, Final Honour School, first class, 1895. Lecturer in French Philology and Literature, Victoria College, Belfast, Ireland, 1895-96; Assistant in French and German, Smith College, 1896-97; Graduate Student, University of Chicago, 1897; Assistant in German and in charge of the Department of Germanic Philology, Smith College, 1897-99; Ph.D., University of Heidelberg, 1900; Lecturer on Germanic Philology, Oxford, England, 1901-04; Graduate Student, Bryn Mawr College, 1904-07.
- MARTHANNA COWGILL,.....*English, Hebrew, and Biblical Literature.*  
Montezuma, Ind. A.B., Earlham College, 1904.
- ETHEL DEITRICK, .....*Latin.*  
New Brighton, Pa. B.S., Geneva College, 1906.
- MAUD DOWNING, .....*Graduate Scholar in Semitic Languages.*  
Fournier, Ont. A.B., University of Toronto, 1902. Graduate Student, University of Toronto, 1902-03; Graduate Scholar in Psychology, Bryn Mawr College, 1903-04, and in Semitic Languages, 1904-07.
- EDITH FAHNESTOCK,.....*Graduate Scholar in French.*  
Harrisburg, Pa. L.B., Western Reserve University, 1894. University of Zürich and Sorbonne, 1894-96; Fellow in Romance Languages, Bryn Mawr College, 1897-98; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1898-1901, 1902-05; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1901-02.
- ELEANOR LOUIE FLEISHER, .....*English and French.*  
Philadelphia, Pa. A.B., Bryn Mawr College, 1903. Holder of the Bryn Mawr European Fellowship, and Graduate Student, Bryn Mawr College, 1903-04.
- JULIA ANNA GARDNER, .....*Graduate Scholar in Geology.*  
Chamberlin, S. Dak. A.B., Bryn Mawr College, 1905.
- EDITH HAYWARD HALL, .....*Greek.*  
Woodstock, Conn. A.B., Smith College, 1899. Teacher of Greek and History in Woodstock Academy, Woodstock, 1899-1900; Teacher of Latin and Greek in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01 and 1905-07; Graduate Student, Bryn Mawr College, 1900-01, 1905-06, and Graduate Scholar, 1901-03; Holder of the Mary E. Garrett European Fellowship, 1903-04; Holder of the Agnes Hoppin Memorial Fellowship and Student at the American School of Classical Studies, Athens, 1903-05.
- ESTHER HARMON, .....*Graduate Scholar in Teutonic Philology.*  
Toledo, O. A.B., University of Michigan, 1906.
- ETHEL BENNETT HITCHENS,\*.....*English and French.*  
Philadelphia, Pa. A.B., Bryn Mawr College, 1905.
- MARY J. HOGUE, .....*Graduate Scholar in Biology.*  
West Chester, Pa. A.B., Woman's College of Baltimore, 1905. Holder of Foundation Scholarship, Bryn Mawr College, 1905-06.
- HAZEL ANTOINETTE HOWARD,.....*Latin, English, and Education.*  
Oskaloosa, Ia. A.B., Penn College, 1906. Holder of the Penn Graduate Scholarship, Bryn Mawr College, 1906-07.
- HELEN J. HUEBENER, .....*Graduate Scholar in French.*  
Lancaster, Pa. A.B., Cornell University, 1899. Graduate Student, Bryn Mawr College, 1904-06.

†Mrs. Hermann Collitz.

\*Mrs. A. Parker Hitchens, 1906.

MARY JEFFERS, ..... *History of Art and Archaeology.*

York, Pa. Classical Course, Wellesley College, 1885-86. Teacher of Greek and Latin in the York Collegiate Institute, 1893-96. A.B., Bryn Mawr College, 1895, and A.M., 1897. Graduate Student, Bryn Mawr College, 1895-98, 1903-04; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1895-98; Student at the Universities of Munich and Halle, 1898-99; Teacher of Latin and History in the Girls' Latin School, Baltimore, Md., 1900-01; Head of the Latin Department in the Misses Shipley's School, Bryn Mawr, 1897-1906; Student, University of Bonn, summer of 1905; Private Tutor, 1904-06; Supervisor of Greek, Latin, German, and History Departments, Brantwood Hall, Bronxville, Lawrence Park, N. Y., 1905-07.

ANNETTE JOHNSON, ..... *English.*

Fairmount, Ind. A.B., Earlham College, 1906. Holder of the Earlham Graduate Scholarship, Bryn Mawr College, 1906-07.

LILIAN VITALIQUE LAMBERT, ..... *Graduate Scholar in English.*

Des Moines, Ia. S.B., Penn College, 1889. Ph.B., University of Chicago, 1895, and Ph.M., 1906.

EVALINA MACRAE, ..... *English and Archaeology.*

Bryn Mawr, Pa. A.B., Bucknell College, 1882.

EMILIE NORTON MARTIN, ..... *Mathematics.*

Ardmore, Pa. A.B., Bryn Mawr College, 1894, and Ph.D., 1901. Graduate Student, Bryn Mawr College, First Semester, 1894-95, 1896-97, 1901-02; Teacher of Latin in the Bryn Mawr School, Baltimore, Md., January-June, 1895; Fellow in Mathematics, Bryn Mawr College, 1895-96; Holder of the Mary E. Garrett European Fellowship, and Student, University of Göttingen, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1898-99; Teacher of Mathematics in the Misses Kirk's School, Rosemont, Pa., 1899-1900; Private Tutor, 1899-1903, 1906-07; Instructor in Mathematics, Mt. Holyoke College, 1903-04, and First Semester, 1904-05.

MARY AGNES McALLISTER, ..... *Graduate Scholar in Mathematics.*

Gettysburg, Pa. Sc.B., Pennsylvania College, 1906.

MARY BUCHANAN MCGILL, ..... *Latin and English.*

Thurmont, Md. A.B., Pennsylvania College, 1906.

CHARLOTTE FRELINGHUYSEN McLEAN, ..... *French.*

Philadelphia, Pa. A.B., Bryn Mawr College, 1899, and A.M., University of Pennsylvania, 1901. Graduate Student, University of Pennsylvania, 1899-1901. Head of the German Department in the High School, Norristown, Pa., 1902; Head of the College Preparatory Department, and of the Ancient and Modern Language Work, Linden Hall Seminary, Lititz, Pa., 1903-07.

LILLIAN VIRGINIA MOSER, ..... *German and French.*

Syracuse, N.Y. A.B., Bryn Mawr College, 1893. Student of French and German in Paris and Hanover, 1893-94, and in the summer, 1900 and 1905; Teacher of Modern Languages in "The Seminary," Clifton Springs, N. Y., 1894-95; Student of Pedagogy, State Normal College, N. Y., 1895-96. Pd.B., State Normal College, 1896. Teacher of French and German in the Granger Place School, Canandaigua, N. Y., 1896-1905; Graduate Student, Bryn Mawr College and Teacher of German and French in Miss Wright's School, Bryn Mawr, Pa., 1905-06.

HELEN HAWLEY NICHOLS, .. *Greek, English, Hebrew, and Psychology.*

Marietta, O. A.B., Marietta College, 1906.

HELEN L. PADDOCK, ..... *History.*

Bala, Pa. A.B., Mount Holyoke College, 1905. Graduate Student, Bryn Mawr College, 1905-06.



- FLORENCE PEEBLES, ..... *Biology*.  
 Lutherville, Md. A.B., Woman's College of Baltimore, 1895, and Ph.D., Bryn Mawr College, 1900. Graduate Scholar in Biology, Bryn Mawr College, 1895-96; Fellow in Biology, 1896-97, and Graduate Student, 1897-98, 1903-04; Holder of the Mary E. Garrett European Fellowship. Scholar of the Woman's Table and Student in Biology, Zoölogical Station, Naples, Universities of Munich and Halle, 1898-99; Instructor in Biology, Woman's College of Baltimore, 1899-1902, and Associate Professor of Biology, 1902-06; Student, University of Bonn, summer, 1906.
- ROSE JEFFRIES PEEBLES, ..... *English*.  
 Birmingham, Ala. A.B., Mississippi State College for Women, 1891. University of Chicago, summer, 1897, 1898, 1905; Harvard University, summer, 1902; Columbia University, summer, 1903.
- VIRGINIA RAGSDALE, . . . *Graduate Student by Courtesy in Mathematics*.  
 Jamestown, N. C. S.B., Guilford College, 1892. Graduate Scholar in Mathematics, Bryn Mawr College, 1892-93, and Graduate Student, Bryn Mawr College, 1893-97. A.B., Bryn Mawr College, 1896, and Ph.D., 1906. Holder of the Bryn Mawr European Fellowship, and Assistant Demonstrator in Physics, Bryn Mawr College, 1896-97; Student, University of Göttingen, 1897-98; Teacher of Science and Mathematics in the Bryn Mawr School, Baltimore, Md., 1898-1900, and Assistant Teacher of Mathematics, 1900-01; Holder of Fellowship of the Baltimore Association for the Promotion of the University Education of Women, Graduate Scholar, and Fellow by Courtesy in Mathematics, Bryn Mawr College, 1901-02; Fellow in Mathematics, Bryn Mawr College, 1902-03; Teacher of Mathematics in Dr. J. Sachs's School for Girls, New York City, 1903-05; Teacher of Mathematics in the Baldwin School, Bryn Mawr, Pa., 1906-07.
- EDITH KIRK RANNELLS, ..... *Greek, Latin, and English*.  
 Wilmington, O. A.B., Wilmington College, 1906.
- ELIZABETH CHRISTINA REINHARDT, ..... *German*.  
 Philadelphia, Pa. A.B., Bryn Mawr College, 1902. Principal of Friends' School, Media, Pa., 1902-03; Teacher of Latin in the Girls' High School, Philadelphia, 1903-04, of Latin and German, 1904-05, and of German, 1905-07.
- VIRGINIA POLLARD ROBINSON, ..... *Graduate Scholar in Philosophy*.  
 Louisville, Ky. A.B., Bryn Mawr College, 1906.
- EMMA ANNA RUPPERSBERG, ..... *Graduate Scholar in Physics*.  
 Columbus, O. Sc.B., Ohio State University, 1891, and Sc.M., 1896. Graduate Student, Cornell University, summer, 1898; Columbia University, first semester, 1904-05; Ohio State University, 1905, 1905-06.
- HELEN ESTABROOK SANDISON, ..... *Graduate Scholar in Latin*.  
 Terre Haute, Ind. A.B., Bryn Mawr College, 1906.
- HELEN ELIZABETH SCHAEFFER, ..... *Physics*.  
 Lancaster, Pa. A.B., Dickinson College, 1903. Graduate Scholar in Mathematics, Bryn Mawr College, 1903-04; Fellow in Physics, Bryn Mawr College, 1904-05; Holder of the Mary E. Garrett European Fellowship and Student, University of Göttingen, 1905-06; Demonstrator in Physics, Bryn Mawr College, 1906-07.
- GERTRUD CHARLOTTE SCHMIDT, . . . . . *Sanskrit and Teutonic Philology*.  
 Cambridge, Mass. B.L., University of Wisconsin, 1900. Graduate Student, Radcliffe College, 1900-01, 1902-03; A.M., Radcliffe College, 1903; Assistant in German, Smith College, 1901-02; Graduate Student, Bryn Mawr College, and Teacher of German in Miss Wright's School, Bryn Mawr, Pa., 1903-05, 1906-07; Holder of the President's European Fellowship and Student, University of Leipsic, 1905-06, University of Grenoble, summer, 1905.
- BERTHA WARNER SEELY, ..... *Latin*.  
 Brockport, N. Y. A.B., Bryn Mawr College, 1905.
- MARY SHEPPARD, ..... *Greek and Latin*.  
 Philadelphia, Pa. A.B., Bryn Mawr College, 1898. Warden of Rockefeller Hall, Bryn Mawr College, 1906-07.

- FLORENCE GERTRUDE SMART, .....*Graduate Scholar in Psychology.*  
Littleton, N. H. A.B., Mt. Holyoke College, 1906.
- HELEN WILLISTON SMITH, .....*Graduate Scholar in Biology.*  
South Wilton, Conn. A.B., Bryn Mawr College, 1906.
- MARY CAROLINE SPALDING, .....*English.*  
Bryn Mawr, Pa. A.B., Vassar College, 1901.
- ELIZABETH FARRIS STODDARD, .....*Latin and Philosophy.*  
Plymouth, Mass. A.B., Bryn Mawr College, 1902. Graduate Student in the  
Correspondence Study Department of the University of Chicago, 1904-05;  
Warden of Merion Hall, and Graduate Student, Bryn Mawr College, 1905-07.
- VIRGINIA TRYON STODDARD, .....*Latin and Mathematics.*  
Mt. Holly, N. J. A.B., Bryn Mawr College, 1903. Warden of Radnor Hall  
and Graduate Student, Bryn Mawr College, 1904-07.
- MARTHA WINKLEY SUTER, .....*French.*  
New York City. A.B., Radcliffe College, 1901.
- MARY SWINDLER, .....*Graduate Scholar in Greek.*  
Bloomington, Ind. A.B., University of Indiana, 1905, and A.M., 1906.
- LILY ROSS TAYLOR, .....*Graduate Scholar in Latin.*  
Madison, Wis. A.B., University of Wisconsin, 1906.
- ELIZABETH MARIE VAN WAGENER,  
.....*Mathematics, Physics, and Chemistry.*  
Pittsburgh, Pa. A.B., Pennsylvania College for Women, 1902, and A.M., 1905.  
Graduate Student, Bryn Mawr College, 1902-04; Private Tutor, 1905-06.
- CLARA LOUISE WHIPPLE WADE, .....*Greek.*  
Philadelphia, Pa. A.B., Bryn Mawr College, 1904. Graduate Scholar in  
Latin, Bryn Mawr College, 1904-05; Holder of the Bryn Mawr European  
Fellowship and Student, University of Munich, 1905-06.
- CLARA JEAN WEIDENSALL, .....*Graduate Scholar in Psychology.*  
Janesville, Wis. A.B., Vassar College, 1903. Graduate Student, University  
of Chicago, 1903-05. Demonstrator in Psychology, Bryn Mawr College,  
1906-07.
- ANNA SOPHIE WEUSTHOFF, ..*Graduate Scholar in Teutonic Philology.*  
New York City. A.B., Woman's College of Baltimore, 1906.
- FLORENCE DONNELL WHITE, *Graduate Scholar in Romance Languages.*  
Bangor, Me. A.B., Mt. Holyoke College, 1903. Student, University of Paris,  
1903-04.
- LILLIAN GERTRUDE WILSON, .....*Latin and English.*  
Canton, N. C. A.B., Guilford College, 1906. Holder of the Guilford Grad-  
uate Scholarship, Bryn Mawr College, 1906-07.
- ELEANOR DENSMORE WOOD, .....*Greek.*  
Wichita, Kan. L.B., Earlham College, 1896; A.B., Penn College, 1897.  
Foundation Scholar, Bryn Mawr College, 1897-99; Principal of Earlham  
Academy, Earlham, Ind., 1899-1900; Settlement worker, Indianapolis, Ind.,  
1900-01; Student, University of Chicago, 1902-03; University of Marburg,  
Winter Semester, 1904-05.
- FANNY YATES, .....*History and Economics and Politics.*  
Elmira, N. Y. B.S., Elmira College, 1906.

## FORMER FELLOWS.

The Bryn Mawr European Fellowship was established by the Trustees in 1885, and has been held by the following graduates of Bryn Mawr College:

- EMILY GREENE BALCH, .....1889-90.  
 Jamaica Plain, Mass. A.B., Bryn Mawr College, 1889. Student in Political Science, Conservatoire des Arts et des Métiers, Paris, and under the direction of Professor Emile Levasseur, 1890-91; University of Chicago, 1895; University of Berlin, 1895-96; Member of Board of Trustees for Children of the City of Boston, 1897-98; Assistant in Economics, Wellesley College, 1896-97; Instructor in Economics, 1897-1903, and Associate Professor of Economics and Sociology, 1903-07.
- KATHARINE MORRIS SHIPLEY, .....1890-91.  
 Bryn Mawr, Pa. A.B., Bryn Mawr College, 1890. Student in Latin and English, University of Leipsic, 1890-91; Sorbonne and Collège de France, 1891-92; Newnham College, University of Cambridge, England, May term, 1892; Associate Principal and Teacher of English in the Misses Shipley's School, Bryn Mawr, 1894-1907.
- LILIAN VAUGHAN SAMPSON MORGAN,\*.....1891-92.  
 New York City. A.B., Bryn Mawr College, 1891, and A.M., 1894. Student in Biology, University of Zürich, 1892-93; Graduate Student in Biology, Bryn Mawr College, 1891-92, and 1893-99; Research Work in Biology, 1904-06.
- ANNIE CROSBY EMERY ALLINSON,†.....1892-93.  
 Providence, R. I. A.B., Bryn Mawr College, 1892; and Ph.D., 1896. Graduate Student in Greek and Latin, Bryn Mawr College, 1892-93; Student in Greek and Latin, University of Leipsic, 1893-94; Secretary to the President and Graduate Student in Greek and Latin, Bryn Mawr College, Second Semester, 1894-95, and 1895-96; Dean of Women and Assistant Professor of Classical Philology, University of Wisconsin, 1897-1900; Dean of the Women's College in Brown University, 1900-05; Alumnae Member of the Board of Directors, Bryn Mawr College, 1906-07.
- LOUISE SHEFFIELD BROWNELL SAUNDERS,‡.....1893-94.  
 Clinton, N. Y. A.B., Bryn Mawr College, 1893. Student in Greek and English, University of Oxford, England, and University of Leipsic, 1893-94; Graduate Student in Greek, Columbia College, 1894-95, and Graduate Student in English, 1895-96; Graduate Student in Greek and English, Bryn Mawr College, 1896-97; Warden of Sage College and Lecturer in English Literature, Cornell University, 1897-1900; Head of the Balliol School, Utica, N. Y., 1900-05; Private Tutor, 1905-07.
- MARY BIDWELL BREED,.....1894-95.  
 Columbia, Mo. Graduate, Pennsylvania College for Women, 1889; A.B., Bryn Mawr College, 1894, A.M., 1895, and Ph.D., 1901. Graduate Student in Chemistry, and Assistant in Chemical Laboratory, Bryn Mawr College, 1894-95; Student in Chemistry, University of Heidelberg, 1895-96; Professor of Science, Pennsylvania College for Women, 1897-99; Fellow by Courtesy and Graduate Scholar in Mathematics, Physics, and Chemistry, Bryn Mawr College, 1899-1901; Dean of Women and Assistant Professor of Chemistry, University of Indiana, 1901-06; Adviser of Women and Head of Read Hall, University of Missouri, 1906-07.
- FLORENCE LEFTWICH RAVENEL,§.....1895-96.  
 Baltimore, N. C. Wellesley College, 1884-85; A.B., Bryn Mawr College, 1895, and Ph.D., 1906. Student in Romance Languages, Sorbonne and Collège de France, 1895-96; Mistress of Modern Languages, Mississippi Industrial Institute and College, Columbus, Miss., 1896-98; Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1898-99; Holder of the European Fellowship of the Baltimore Association for the Promotion of the University Education of Women, and Student, University of Zürich, 1899-1900; Teacher of French in the Bryn Mawr School, Baltimore, Md., 1900-01; Graduate Student, Bryn Mawr College, 1902; Fellow in Romance Languages, Bryn Mawr College, 1902-03.

\*Mrs. Thomas Hunt Morgan, 1904. †Mrs. Francis Greenleaf Allinson, 1905.

‡Mrs. Arthur Percy Saunders, 1900.

§Mrs. S. Prioleau Ravenel, 1903.



- VIRGINIA RAGSDALE, .....1896-97.  
See page 18.
- MARGARET HAMILTON, .....1897-98.  
Fort Wayne, Ind. A.B., Bryn Mawr College, 1897. Student in Biology, Sorbonne and Collège de France, 1898-99; Teacher of Science, Bryn Mawr School, Baltimore, Md., 1900-03.
- MARION EDWARDS PARK, .....1898-99.  
Oberlin, O. A.B., Bryn Mawr College, 1898, and A.M., 1899. Graduate Student in Greek and English, Bryn Mawr College, 1898-99; Graduate Student in Greek and Archaeology, Autumn Quarter, University of Chicago, 1900-01; American School of Classical Studies, Athens, 1901-02; Instructor in Classics, Colorado College, 1902-03, 1904-06, and Acting Dean of Women, 1903-04; Teacher of English in Miss Wheeler's School, Providence, R. I., 1906-07.
- CORA HARDY JARRETT,† .....1899-1900.  
New York City. A.B., Bryn Mawr College, 1899. Student at the Sorbonne, Collège de France, and University of Oxford, 1899-1900; Teacher of Greek and English in Ward Seminary, Nashville, Tenn., 1902-03; Teacher in St. Timothy's School, Catonsville, Md., 1903-06.
- ELIZABETH MARY PERKINS, .....1900-01.  
Washington, D. C. A.B., Bryn Mawr College, 1900, and Ph.D., 1904. Graduate Student in Greek, Latin, and Archaeology, Bryn Mawr College, 1900-01; Universities of Berlin and Munich, 1901-02; Fellow in Latin, Bryn Mawr College, 1902-03; Teacher of Latin and German in the Western High School, Washington, 1903-04, of Latin, 1904-05, and of Greek and Latin, 1905-06; Instructor in Latin, Vassar College, 1906-07.
- ELLEN DEBORAH ELLIS, .....1901-02.  
Philadelphia, Pa. A.B., Bryn Mawr College, 1901, A.M., 1902, and Ph.D., 1905. Graduate Student in Political Science, Bryn Mawr College, 1901-02; Student, University of Leipsic, 1902-03; Fellow by Courtesy in Economics and Politics, Bryn Mawr College, 1903-04, and Fellow in Economics and Politics, 1904-05; Instructor in History, Mt. Holyoke College, 1905-07.
- HELEN MAY BILLMEYER, .....1902-03.  
Montclair, N. J. A.B., Bryn Mawr College, 1902. University of Berlin, 1903-04.
- ELEANOR LOUIE FLEISHER, .....1903-04.  
See page 16.
- CLARA LOUISE WHIPPLE WADE, .....1904-05.  
See page 19.
- EMILY LEDYARD SHIELDS, .....1905-06.  
Pasadena, Cal. A.B., Bryn Mawr College, 1905, and A.M., 1906. Graduate Student, Bryn Mawr College, 1905-06; Recording Secretary and Appointment Secretary, Bryn Mawr College, 1906-07.

The Mary E. Garrett European Fellowship was established in 1894 by Miss Mary E. Garrett, of Baltimore, and has been held by the following students:

- ISABEL MADDISON, .....1894-95.  
Reading, England. University College of South Wales and Monmouthshire, 1885-89; Girton College, University of Cambridge, England, 1889-92; Mathematical Tripos, 1892; Oxford Mathematical Final Honour School, 1892; B.Sc., University of London, Mathematical Honours, 1893; Ph.D., Bryn Mawr College, 1896; B.A., Trinity College, Dublin, 1905. Graduate Student in Mathematics, Bryn Mawr College, 1892-93; Fellow in Mathematics, Bryn Mawr College, 1893-94; Student in Mathematics, University of Göt-

†Mrs. Edwin Seton Jarrett, 1906.

- tungen, 1894-95; Assistant Secretary to the President, Bryn Mawr College, 1895-96; Secretary to the President and Reader in Mathematics, Bryn Mawr College, 1896-1904, Assistant to the President and Reader in Mathematics, 1904-06, and Assistant to the President and Associate in Mathematics, 1906-07.
- EDITH HAMILTON, .....1895-96.  
Fort Wayne, Ind. A.B. and A.M., Bryn Mawr College, 1894. Fellow in Latin, Bryn Mawr College, 1894-95; Student in Greek and Latin, Universities of Leipzig and Munich, 1895-96; Head Mistress of the Bryn Mawr School, Baltimore, Md., 1896-1907.
- WINIFRED WARREN WILSON,\*.....1896-97.  
Syracuse, N. Y. A.B., Boston University, 1891, and A.M., 1894; Ph.D., Bryn Mawr College, 1898. Fellow in Latin, Bryn Mawr College, 1893-94, and Fellow by Courtesy, 1894-96; Student in Classical Philology, Universities of Munich and Berlin, 1896-97; Instructor in Latin, Vassar College, 1897-1902.
- EMILIE NORTON MARTIN, .....1897-98.  
See page 17.
- FLORENCE PEEBLES, .....1898-99.  
See page 18.
- EDITH FRANCES CLAFLIN, .....1899-1900.  
Quincy, Mass. A.B., Radcliffe College, 1897; Ph.D., Bryn Mawr College, 1906. Graduate Scholar in Greek and Latin, Bryn Mawr College, 1897-98, and Graduate Student in Greek and Latin, 1898-99; Student at the American School of Classical Studies, Athens, 1899-1900; Private research work, Harvard University Library, 1900-01, Instructor in Literature in the Prospect Hill School, Greenfield, Mass., 1901-02, and in Classics and Classical History, 1902-07.
- CAROLINE BROWN BOURLAND, .....1900-01.  
Peoria, Ill. A.B., Smith College, 1893, and Ph.D., Bryn Mawr College, 1905. Teacher of French and German in Mrs. Starratt's School, Oak Park, Ill., 1895-96, and in the High School, Peoria, 1896-97; Student, Sorbonne and Collège de France, 1897-98; Fellow in Romance Languages, Bryn Mawr College, 1898-99; Graduate Scholar and Fellow by Courtesy in Romance Languages, Bryn Mawr College, 1899-1900, 1901-02; Student in Romance Languages, Madrid, 1900-01; Instructor in Spanish and French, Smith College, 1902-07.
- KATE NILES MORSE, .....1901-02.  
Haverhill, Mass. A.B., Mt. Holyoke College, 1898, and A.M., 1900. Graduate Student in Greek, English, German, and Archaeology, Bryn Mawr College, 1898-99; Fellow in Greek, Bryn Mawr College, 1900-01; University of Berlin and American School of Classical Studies, Athens, 1901-02; Graduate Student, Radcliffe College, 1903, 1906-07.
- MARIE REIMER, .....1902-03.  
East Aurora, N. Y. A.B., Vassar College, 1897, and Ph.D., Bryn Mawr College, 1903. Graduate Scholar in Chemistry, Vassar College, 1897-98; Assistant in the Chemical Laboratory, Vassar College, 1898-99; Fellow in Chemistry, Bryn Mawr College, 1899-1900, 1901-02; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Student, University of Berlin, 1902-03; Lecturer in Chemistry, Barnard College, 1903-04, and Instructor in Chemistry, 1904-07.
- EDITH HAYWARD HALL, .....1903-04.  
See page 16.
- HOPE TRAVER, .....1904-05.  
Hartford, Conn. A.B., Vassar College, 1896. Graduate Student, Bryn Mawr College, and Private Tutor, Whitford, Pa., 1901-02; Graduate Scholar, Bryn Mawr College, and Teacher of English in Miss Wright's School, Bryn Mawr, Pa., 1902-03; Fellow in English, Bryn Mawr College, 1903-04; Student, University of Munich, 1904-05 and First Semester, 1905-06; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, Second Semester, 1905-06; Teacher of English in Huntington Hall, Los Angeles, Cal., 1906-07.

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\*Mrs. George Arthur Wilson, 1902.

HELEN ELIZABETH SCHAEFFER, .....1905-06.  
See page 18.

The President M. Carey Thomas Fellowship was established in 1896 by Miss Mary E. Garrett, of Baltimore, and has been held by the following students:

- CLARA LANGENBECK, .....1896-97.  
Cincinnati, O. Ph.G., Cincinnati College of Pharmacy, 1890; S.B., University of Cincinnati, 1895. Fellow in Biology, Bryn Mawr College, 1895-96; Student in Biology, University of Marburg, 1896-98; Professor of Biology, Wells College, 1898-1901; Instructor in the Cincinnati Collegiate School for Girls, and Student, University of Cincinnati, 1901-02.
- ELLEN ROSE GILES, .....1897-98.  
New York City. Wellesley College, 1892-93; A.B., and A.M., Bryn Mawr College, 1896. Graduate Scholar in Semitic Languages, Bryn Mawr College, 1896-97, and Graduate Scholar in Philosophy, 1897-98; Student in Philosophy, University of Berlin, 1898-99; Sorbonne and Collège de France, 1899; Private Tutor, 1899-1900.
- ELIZABETH REBECCA LAIRD, .....1898-99.  
South Hadley, Mass. A.B., University of Toronto, 1896; Ph.D., Bryn Mawr College, 1901. Teacher in Ontario Ladies' College, 1896-97; Fellow in Physics, Bryn Mawr College, 1897-98; Student in Physics, University of Berlin, 1898-99; Graduate Scholar and Fellow by Courtesy in Mathematics and Physics, Bryn Mawr College, 1900-01; Instructor in Physics, Mt. Holyoke College, 1901-03; Acting Head of the Department of Physics, 1903-04, and Professor of Physics, 1904-07.
- FLORENCE PARTHENIA LEWIS, .....1899-1900.  
Austin, Tex. A.B., University of Texas, 1897, and A.M., 1898. Fellow in Philosophy, Bryn Mawr College, 1898-99; Student in Philosophy at the Sorbonne and Collège de France, 1899-1900; Teacher in the University Preparatory School, Austin, 1900-02; Student of Mathematics, University of Texas, 1901-03; Tutor in Mathematics, University of Texas, 1902-05.
- SARA HENRY STITES, .....1900-01.  
Wyoming, Pa. A.B., Bryn Mawr College, 1899, A.M., 1900, and Ph.D., 1905. Graduate Scholar in History and Political Science, Bryn Mawr College, 1899-1900; Sorbonne and Collège de France, 1900-01; University of Leipzig, 1901-02; Graduate Scholar and Fellow by Courtesy, Bryn Mawr College, 1902-04; Co-Principal of the Wilkes Barre Institute, Wilkes Barre, Pa., 1904-07.
- NETTIE MARIA STEVENS, .....1901-02.  
Bryn Mawr, Pa. A.B., Leland Stanford, Jr., University, 1899, and A.M., 1900; Ph.D., Bryn Mawr College, 1903. Student in Hopkins Seaside Laboratory, Pacific Grove, Summer, 1897, 1898, and 1899; Graduate Scholar in Biology, Bryn Mawr College, 1900-01; Student, Zoological Station, Naples, 1901-02; Fellow in Biology, Bryn Mawr College, 1902-03; Research Fellow in Biology, Bryn Mawr College, First Semester, 1903-04. Reader in Experimental Morphology and Carnegie Research Assistant, 1904-05, and Associate in Experimental Morphology, 1905-07.
- HARRIET BROOKS, .....1902-03.  
Montreal, Canada. A.B., McGill University, 1898, and A.M., 1901. Graduate Student, McGill University, 1898-99; Tutor in Mathematics and Research Student in Physics, Royal Victoria College, 1899-1901; Fellow in Physics, Bryn Mawr College, 1901-02; University of Cambridge, England, 1902-03; Lecturer in Mathematics, Royal Victoria College of McGill University, 1903-04; Tutor in Physics, Barnard College, 1904-07.
- AMANDA FREDERICKA BECKER, .....1903-04.  
St. Louis, Mo. B.Sc., Missouri State University, 1901, and A.M., 1902. Holder of Teaching Fellowship, Missouri State University, 1901-02; Graduate Scholar, Bryn Mawr College, 1902-03; Student, University of Göttingen, 1903-04; Teacher of Mathematics in the Yeatman High School, St. Louis, 1904-06.

- GERTRUD CHARLOTTE SCHMIDT, .....1901-05.  
See page 18.
- EDNA ASTON SHEARER, .....1905-06.  
See page 14.

A Bryn Mawr College Research Fellowship was founded in 1906 by an anonymous donor and has been held by the following student:

- MARION PARRIS, .....1906-07.  
New York City. A.B., Bryn Mawr College, 1901. Private Tutor, 1901-02; Warden of Summit Grove, Bryn Mawr College, 1902-04, and of Rockefeller Hall, 1904-05; Graduate Student, Bryn Mawr College, 1902-05; Fellow in Economics, Bryn Mawr College, 1905-06; Student, University of Vienna, 1906-07.

A fellowship in Greek was established by the Trustees in 1885, and has been held by the following students:

- KITTY AUGUSTA GAGE, .....1885-86.  
New Paltz, N. Y. A.B., Boston University, 1878; A.M., Cornell University, 1885. Teacher of Classics in the State Normal School, New Paltz, N. Y., 1893-1904.
- SARAH E. SATTERTHWAITES LESLIE,\* .....1886-87.  
Toledo, O. A.B., University of Michigan, 1886. Assistant in Greek and Latin, Hope College, Holland, Mich., 1887-88; Private Tutor in Greek and Latin, 1898-1900.
- HELEN LOUISA LOVELL MILLION,† .....1887-88.  
Mexico, Mo. A.B., University of Michigan, 1887. Graduate Student, University of Michigan, 1888-89; Teacher of Latin and History in the Girls' Classical School, Indianapolis, Ind., 1889-90; Associate in Greek and Latin, Woman's College of Baltimore, 1890-91, and Associate Professor, 1891-93; Acting Professor of Greek and Latin, Earlham College, 1893-94; Graduate Student, University of Chicago, 1894-95, and Fellow in Greek, 1895-96; Professor of Greek, Hardin College, Mexico, 1896-1900, Professor of Greek and Philosophy, 1900-05, and Professor of Latin, Greek, and Philosophy, 1905-07.
- KATHARINE MAY EDWARDS, .....1888-89.  
Wellesley, Mass. A.B., Cornell University, 1888, and Ph.D., 1895. Instructor in Greek, Wellesley College, 1889-93; Graduate Student, Cornell University, 1893-94; Associate Professor of Greek, Wellesley College, 1894-1901; and Associate Professor of Greek and Comparative Philology, 1901-07.
- SUSAN BRALEY FRANKLIN, .....1889-90.  
Newport, R. I. A.B., Bryn Mawr College, 1889, and Ph.D., 1895. Fellow by Courtesy in Greek, Bryn Mawr College, 1890-93; Holder of the American Fellowship of the Association of Collegiate Alumnae, 1892-93; Instructor in Latin, Vassar College, 1893-97; American School of Classical Studies, Athens, and University of Berlin, 1898-99; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1897-98, and 1899-1904; Head of the Classical Department, Ethical Culture School, New York City, 1904-07.
- ELIZABETH HARRIS KEISER,‡ .....1890-91.  
Clayton, Mo. A.B., Bryn Mawr College, 1890, and A.M., 1891. Teacher of Greek and Latin in the Collegiate Grammar School, New York City, 1891-92; Teacher of Greek and Latin in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1892-96.

\*Mrs. Francis Alexander Leslie, 1890. †Mrs. John Wilson Million, 1896.  
‡Mrs. Edward Harrison Keiser, 1896.



- FLORENCE V. KEYS, .....1891-92.  
 Poughkeepsie, N. Y. A.B., University of Toronto, 1891. Examiner in English, University of Toronto, 1894-95; Reader in English, Bryn Mawr College, 1893-97, and Graduate Student in English, 1895-96; University of Oxford, England, 1897-98, University of Berlin, 1898-99; Reader in English, College Entrance Examination Board, 1900-02; Instructor in English, Vassar College, 1899-1904, and Associate Professor of English, 1904-07; Student, University of Munich, 1904-05.
- WILMER CAVE FRANCE WRIGHT,\* .....1892-93.  
 Bryn Mawr, Pa. Girton College, University of Cambridge, England, 1888-92; Classical Tripos, 1892; Ph.D., University of Chicago, 1895; Fellow in Latin, University of Chicago, 1893-94; and Fellow in Greek, 1894-95; Reader in Greek and Latin, University of Chicago, 1895-96; Reader in Classical Literature, Bryn Mawr College, 1897-99; Associate in Classical Literature, 1899-1901, Associate in Greek, 1901-03, 1905-06, Lecturer in Greek Literature, 1906-07.
- ELIZABETH MARY FAIRCLOUGH, .....1893-94.  
 Hamilton, Ont. A.B., McGill University, 1893. Private Tutor, 1898-1900.
- ANNIE GOODE PASCHALL,† .....1894-95.  
 Atlanta, Ga. A.B., Vanderbilt University, 1894.
- ELEANOR PURDIE, .....1895-96.  
 Presbury, Gloucestershire, England. Newnham College, University of Cambridge, England, 1890-94; Classical Tripos, Part I, First Class, 1893; Part II, 1894; Ph.D., University of Freiburg, 1897. Holder of the Marion Kennedy Studentship, and Student in Indo-European Philology, University of Freiburg, 1894-95; Classical Mistress in the Notting Hill High School, London, 1897-98; Head Classical Tutor, Cheltenham Ladies' College, Cheltenham, England, 1898-1907.
- CAROLINE GARNAR BROMBACHER STACEY,‡ .....1896-97.  
 Brooklyn, New York City. A.B., Barnard College, 1895. Assistant Teacher of Mathematics and Latin in the Erasmus Hall High School, Brooklyn, 1897-99, of Mathematics and Greek, 1899-1901, and of Greek, 1901-06; Graduate Student, Columbia University, 1903-04.
- MINNIE BEATRICE REYNOLDS KINKEAD,§ .....1897-98.  
 San Francisco, Cal. A.B., University of California, 1895, and A.M., 1897. Instructor in Greek and Latin in the High School, Centerville, Cal., 1896-97; Fellow by Courtesy in Greek, Bryn Mawr College, 1898-99; Teacher of Latin in the Misses Shipley's School, Bryn Mawr, Pa., 1898-99; Instructor in Latin, Vassar College, 1899-1900; Instructor in Greek in the High School, Los Angeles, Cal., 1900-01; Teacher of Greek and Latin in the High School, San Francisco, 1901-03.
- CHARLOTTE WILLIAMS HAZLEWOOD, .....1898-99.  
 Lynn, Mass. A.B., Wellesley College, 1891. Teacher of Greek and Latin in the Classical High School, Lynn, 1891-96; Graduate Student, Yale University, 1896-97, and Graduate Scholar, 1897-98.
- LIDA SHAW KING, .....1899-1900.  
 Providence, R. I. A.B., Vassar College, 1890; A.M., Brown University, 1894. Fellow in Greek, Vassar College, 1894-95; Instructor in Greek and Latin, Vassar College, 1895-97; Graduate Student in Greek and Greek History, Harvard University, 1897-98; Instructor in Latin, Packer Collegiate Institute, 1898-99; Student at the American School of Classical Studies, Athens, 1899-1901; Holder of the Agnes Hoppin Memorial Fellowship, 1900-01; Head of the Classical Department, Packer Collegiate Institute, Brooklyn, New York City, 1901-02; Dean of the Women's College in Brown University, 1905-07.
- KATE NILES MORSE, .....1900-01.  
 See page 22.

\*Mrs. J. Edmund Wright, 1906.  
 ‡Mrs. Sidney G. Stacey, 1906.

†Deceased, 1895.  
 §Mrs. James A. Kinkead, 1903.

GWENDOLEN BROWN WILLIS, .....1902-04.  
Racine, Wis. A.B., University of Chicago, 1896, and Ph.D., Bryn Mawr College, 1905. Graduate Student, University of Chicago, 1900-01; American School of Classical Studies, Athens, 1901-02; Teacher of Greek and Latin, Milwaukee-Downer College, 1904-07.

AMY MAUD HICKS, .....1904-05.  
London, England. A.B., University of London, 1900, and A.M., 1901. Student, Girton College, University of Cambridge, England, 1895-99; Classical Tripos, Part I, 1898, Part II, 1899; Student, University College, London, 1900-02; Teacher of Classics in St. Mary's College, Paddington, London, 1906-07.

MARY LOUISE CADY, .....1905-06.  
See page 14.

A fellowship in Latin was established by the Trustees in 1892, and has been held by the following students:

ESTHER BOISE VAN DEMAN, .....1892-93.  
Washington, D. C. A.B., University of Michigan, 1891, and A.M., 1892;  
Ph.D., University of Chicago, 1898. Instructor in Latin, Wellesley Col-  
lege, 1893-95; Teacher of Latin in the Bryn Mawr School, Baltimore, Md.,  
1895-96; Fellow in Latin, University of Chicago, 1896-98; Acting Professor  
of Latin, Mt. Holyoke College, 1898-99, and Associate Professor of Latin,  
1899-1901; American School of Classical Studies, Rome, 1901-03; Associate  
Professor of Latin, the Woman's College, Baltimore, 1903-06; Fellow in  
Classical Archaeology of the Carnegie Institution, Rome, 1906-07.

WINIFRED WARREN WILSON,\* .....1893-94.  
See page 22.

EDITH HAMILTON, .....1894-95.  
See page 22.

JENNETTE ATWATER STREET JEFFREY,† .....1895-96.  
Cambridge, Mass. A.B. University of Toronto, 1895. Teacher of Classics,  
St. Margaret's College, Toronto, 1897-1901.

MABEL WHITMAN BAKER BROOKS,‡ .....1896-97.  
Washington, D. C. Columbian University, 1893-95; Teacher in Norwood In-  
stitute, Washington, 1895-96; Teacher of Latin in the Western High School,  
Washington, 1897-1903.

MARIETTA JOSEPHINE EDMAND NOBLE,§ .....1897-98.  
Chicago, Ill. A.B., Central University of Iowa, 1887, and A.M., 1890;  
A.B. and A.M., University of Chicago, 1897. Assistant in Academic De-  
partment, Iowa Wesleyan University, 1887-90; and Principal of Academic  
Department, 1890-93; Professor of Latin, Iowa Wesleyan University,  
1893-95; Graduate Student in Greek and Latin, University of Chicago,  
1895-97; Professor of Latin and Greek, Milwaukee-Downer College, Mil-  
waukee, Wis., 1898-99, and Professor of Latin, 1899-1903; American School  
of Classical Studies, Rome, 1901-02.

MARY HELEN RITCHIE, || .....1898-99.  
Falls of Schuylkill, Pa. A.B., Bryn Mawr College, 1896, A.M., 1897, and  
Ph.D., 1902. Graduate Scholar in Greek and Latin, Bryn Mawr College,  
1896-97, and Graduate Student in Greek and Latin, 1897-98; Secretary of  
Bryn Mawr College, 1899-1904.

\*Mrs. George Arthur Wilson, 1902. †Mrs. Edward C. Jeffrey, 1901.  
‡Mrs. Alfred H. Brooks, 1903. §Mrs. Frederick Perry Noble, 1903.  
||Deceased, 1905.

HATTIE JOSEPHINE GRIFFIN, .....1899-1900.

Crandon, Wis. A.B., University of Wisconsin, 1898, and A.M., 1902. Alumni Fellow in Latin, University of Wisconsin, 1898-99; Fellow in Latin, University of Wisconsin, 1901-02; Assistant in the High School, Crystal Falls, Mich., 1902-03; Professor of Ancient and Modern Languages, Nebraska Central College, 1903-07.

IDA PRESCOTT CLOUGH, .....1900-01.

Somerville, Mass. A.B., Radcliffe College, 1896, and A.M., 1900. Graduate Student, Radcliffe College, 1899-1900; University of Berlin, 1901-02.

ELIZABETH MARY PERKINS, .....1902-03.

See page 21.

MINNIE ADA BECKWITH, .....1903-04.

New London, Conn. A.B., University of Chicago, 1902. Graduate Scholar, University of Chicago, 1902-03; Teacher of Latin and Greek in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1904-07.

HELEN MAY EDDY, .....1904-05.

Marengo, Ia. A.B., University of Iowa, 1900, and A.M., 1903. Fellow in Latin, University of Iowa, 1901-04. Teacher of Latin in the High Schools, Fairfield, Ia., 1905-06, and of Latin and Greek in the Winona Park School for Women, Winona Lake, Ind., 1906-07.

ANNA MARTHA WALKER, .....1905-06.

Glen Moore, Pa. A.B., Bryn Mawr College, 1895; A.M., Leland Stanford, Jr., University, 1901. Teacher of English in the National Institute for Girls, Guatemala City, Central America, 1896-97; Graduate Student in Greek and Latin, Leland Stanford, Jr., University, 1897-98, 1900-01; Graduate Student, Bryn Mawr College, Second Semester, 1898-99; Teacher in the Misses Wyllie's School, Mt. Holly, N. J., 1899-1900; Teacher of Latin and French in the High School, Ogden, Utah, 1901-02, and Teacher of Latin and Spanish, 1902-04; Student, American School of Classical Studies, Rome, 1904-05; Teacher of Greek in the High School, Los Angeles, Cal., 1906-07.

A fellowship in English was established by the Trustees in 1885, and has been held by the following students:

MARY GWINN HODDER,\* .....1885-87.

New York City. University of Leipsic, 1879-82; University of Zürich, 1882; Sorbonne and Collège de France, 1883; Ph.D., Bryn Mawr College, 1888. Graduate Student in English, Bryn Mawr College, 1887-88; Associate in English, Bryn Mawr College, 1888-93; Associate Professor of English, 1893-97, and Professor of English, 1897-1904.

GERTRUDE H. MASON, .....1887-88.

Berkeley, Cal. Ph.B., University of Michigan, 1876, and Ph.M., 1888. Graduate Student in English, University of Michigan, 1888-89; Teacher of English in the High School, Petaluma, Cal., 1889-95, in the High School, San Diego, Cal., 1895-96; Graduate Student in English, Leland Stanford, Jr., University, 1896-97 and 1900-01; Assistant to Dr. Ewald Flügel on Chaucer Lexicon, 1904-05; Teacher of English in the Kern County High School, Bakersfield, Cal., 1897-98, and in the Union High School, Haywards, Cal., 1899-1900; Private Tutor in English, 1900-02, 1905-07.

IDA WOOD, .....1888-89.

Philadelphia, Pa. A.B., Vassar College, 1877, and A.M., 1889; Ph.D., Bryn Mawr College, 1891. Graduate Student in English, Bryn Mawr College, 1887-88 and 1889-90, and Fellow by Courtesy in English, 1890-91; Secretary of the Woman's Department of the University of Pennsylvania, 1892-93; Secretary of the Bryn Mawr School, Baltimore, Md., 1894-96.

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\*Mrs. Alfred Hodder, 1904.



- MABEL PARKER CLARK HUDDLESTON,\* .....1889-90.  
 New York City. A.B., Bryn Mawr College, 1889, and A.M., 1890. Reader in English, Bryn Mawr College, and Graduate Student in English and French, 1890-93; Graduate Student in English and French, Barnard College, 1893-94.
- KATHARINE MERRILL, .....1890-91.  
 Boston, Mass. A.B., University of Kansas, 1889. Graduate Student in English, Bryn Mawr College, 1889-90; Harvard Annex, 1891-92; Assistant Professor of English Language and Literature, University of Illinois, 1892-97; Fellow in English, University of Chicago, 1897-98; Teacher of English, Anstlin High School, Chicago, 1898-1903; Teacher of the History of Literature in the Leland Powers School of the Spoken Word, Boston, 1905-07.
- MARGUERITE SWEET, .....1891-92.  
 New York City. A.B., Vassar College, 1887; Ph.D., Bryn Mawr College, 1892. Graduate Student in Teutonic Philology and English, Bryn Mawr College, 1889-90, and Graduate Scholar in Teutonic Philology, 1890-91; Instructor in English, Vassar College, 1892-97; Professor of English Literature, Mt. Holyoke College, 1897-99; Teacher of English in the Misses Ely's School, New York City, 1899-1905; Principal of the Hawthorne School, New York City, 1906-07.
- FLORENCE V. KEYS, .....1892-93.  
 See page 25.
- HELEN BARTLETT, .....1893-94.  
 Peoria, Ill. A.B., Bryn Mawr College, 1892, A.M., 1893, and Ph.D., 1896. Newnham College, University of Cambridge, England, 1889; studied in Berlin, 1882-84, and 1890; Graduate Student in English, Bryn Mawr College, 1892-93; Holder of the American Fellowship of the Association of Collegiate Alumnae, and Graduate Student in English and German, Bryn Mawr College, 1894-95; Instructor in German and French in the Portland Academy, Portland, Ore., 1896-97; Dean of Women, Head of the Modern Language Department, and Assistant Professor of German in the Bradley Polytechnic Institute, Peoria, 1897-1904; Dean of Women and Professor of German, 1904-07; Student, University of Berlin, 1905.
- LAURA LUCINDA JONES, .....1894-95  
 Cobourg, Ont. A.B., University of Toronto, 1891. Teacher of Modern Languages in the Collegiate Institute, Kingston, Ont., 1895-97; Teacher of English and Student in German in the Höhere Töchter Schule Tegeler, Eberswalde, Berlin, 1897-98; Teacher of English, French, and German in the Collegiate Institute, Cobourg, 1898-1905; Member of Board of Public Library, Cobourg, 1904-06.
- PHOEBE A. B. SHEAVYN, .....1895-96.  
 Oxford, England. Scholar, University College of Wales, Aberystwyth, Wales, 1887-89, and 1892-94; B.A., University of London, 1889, M.A., 1894, and D.Lit., 1906. Member of Governing Court of University of Wales; Reader in English, Bryn Mawr College, 1894-95; Lecturer and Tutor in English Literature to the Association for Promoting the Education of Women in Oxford, 1896-1905; Resident Tutor and Lecturer in English, Somerville College, University of Oxford, 1897-1905; Member of the Governing Committee of Women's University Settlement, Southwark, London; Member of the Council of University College of Wales.
- MARY DELIA HOPKINS, .....1896-97.  
 Clinton, N. Y. A.B. and A.M., Bryn Mawr College, 1896. Graduate Student in English, Bryn Mawr College, 1897-98, and Reader in English, 1897-98 and 1899-1901; Teacher of English in the Balliol School, Utica, N. Y., 1901-02, and of English, German, and Latin, 1905-07; Teacher of Latin and English in the Granger Place School, Canandaigua, N. Y., 1902-04; Teacher of English and Latin in Miss Davidge's Classes, New York City, and Private Tutor, 1904-05.
- GEORGIANA GODDARD KING, .....1897-98.  
 Philadelphia, Pa. A.B., Bryn Mawr College, and George W. Childs Prize Essayist, 1896, and A.M., 1897. Fellow in Philosophy, Bryn Mawr College, 1896-97; Student at the Collège de France, First Semester, 1898-99; Teacher of English, Philosophy and Art in the Misses Graham's School, New York City, 1899-1906; Reader in English, Bryn Mawr College, 1906-07.

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\*Mrs. John Henry Huddleston, 1894.

- CARRIE ANNA HARPER, .....1898-99.  
 Sunderland, Mass. A.B., Radcliffe College, 1896, and A.M., 1898. Graduate Scholar in English, Bryn Mawr College, 1896-97; Graduate Student in English, Radcliffe College, 1897-98; Teacher of English in the Gilman School, Cambridge, Mass., 1899-1907.
- LAURETTE EUSTIS POTTS PEASE,\* .....1899-1900.  
 Pelham Manor, N. Y. A.B., Bryn Mawr College, 1897. Mistress of Pembroke Hall East, Bryn Mawr College, 1895-96; Sorbonne and Collège de France, 1896-97; Graduate Student in English, Bryn Mawr College, 1897-98, and Reader in English, 1897-99; Student in English, University of Munich, 1900-01.
- EDITH SOPHIA HOOPER, .....1900-01.  
 Kent, England. A.M., University of Edinburgh, 1900; Honours in Philosophy, 1899, in English, 1900.
- KATE WATKINS TIBBALS, .....1901-02.  
 West Norwood, N. J. A.B., Wellesley College, 1899. Ph.D., University of Pennsylvania, 1904. Graduate Scholar in English, Bryn Mawr College, 1900-01; Fellow in English, University of Pennsylvania, 1902-03; and Graduate Student, 1903-04; Instructor in English Literature, Wellesley College, 1904-05; Instructor in English Literature, Vassar College, 1905-07.
- HOPE TRAVER, .....1903-04.  
 See page 22.

A fellowship in Teutonic Philology was established by the Trustees in 1893, and has been held by the following students:

- HELEN WINIFRED SHUTE MOULTON,† .....1893-94.  
 Bangor, Me. A.B., Smith College, 1887. Assistant in German, Smith College, 1887-93; Fellow by Courtesy in Teutonic Philology, Bryn Mawr College, 1894-95; Student in Teutonic Philology, University of Göttingen, 1895-99; Alumnae Trustee of Smith College, 1902-05.
- MINNA STEELE SMITH, .....1894-96.  
 Cambridge, England. Newnham College, University of Cambridge, England, 1890-94; Mediæval and Modern Languages Tripos, First Class, 1893; Assistant Lecturer in English, Newnham College, 1896-98, Staff Lecturer in Mediæval and Modern Languages, 1898-1903, and Head Lecturer in Mediæval and Modern Languages, 1905-06; Lecturer in English, Girton College, University of Cambridge, 1898-1903.
- MINNIE ELIZABETH HIGHER, .....1896-97.  
 Cobourg, Ont. A.B., Victoria College, University of Toronto, 1891, and A.M., 1892; Ph.M., Cornell University, 1894, and Ph.D., 1895. Teacher of Modern Languages, Bowmanville High School, 1892-93; Professor of Modern Languages and History, State Normal School, New Paltz, N. Y., 1897-1900; University of Berlin, 1901-02; Professor of German, Elmira College, 1902-07.
- SOPHIE YHLEN OLSEN BERTELSEN,‡ .....1899-1900.  
 Copenhagen, Denmark. A.B., Bryn Mawr College, 1898, and A.M., 1899; A. M., University of Copenhagen, 1902. Graduate Scholar in English and Teutonic Philology, Bryn Mawr College, 1898-99; Student in Norse Philology, University of Copenhagen, and University of Leipzig, 1900-01; University of Copenhagen, 1901-02; Teacher of English Literature in the Zahle Institute for Teachers, Copenhagen, 1905-07.
- MARGERETHE URDAHL, .....1900-02.  
 Charleston, Ill. L.B., University of Wisconsin, 1896, and Ph.D., Bryn Mawr College, 1904. Student, University of Berlin, 1898 and 1899; University of Heidelberg, Summer term, 1899; University of Christiania, October, 1899; Special Fellow in Teutonic Philology, Bryn Mawr College, 1902-03; Teacher of German and Latin in the Chelton Hills School, Wyncote, Pa., 1903-04; Teacher of German and History in the Eastern Illinois State Normal School, Charleston, 1905-06.

\*Mrs. Lewis Frederick Pease, 1905. †Mrs. Warren J. Moulton, 1900.

‡Mrs. Henrick Bertelsen, 1902.

AGNES JULIA DE SCHWEINITZ, .....1902-03.

Steelton, Pa. A.B., Bryn Mawr College, 1899, and A.M., 1900. Graduate Scholar in German and Tentonic Philology, Bryn Mawr College, 1899-1900. Teacher of German in the Portland Academy, Portland, Ore., 1900-01; Student, University of Leipzig, 1901-02; Teacher of German in the Bryn Mawr School, Baltimore, Md., 1903-05.

ALICE SINCLAIR DODGE,\* .....1903-04.

Walluku, Maui, Hawaii. Ph.B., Oberlin College, 1899. Teacher of German and Science in the Kent Place School, Summit, N. J., 1900-02; Student, University of Marburg, 1902-03; Teacher of German and English, Brockport State Normal School, Brockport, N. Y., 1904-05, and of French and German, 1905-06.

SARAH D. HILL, .....1904-05.

Richmond, Ind. A.B., Earlham College, 1901. Graduate Scholar, Bryn Mawr College, 1903-04; Assistant in German and French, Earlham College, 1905-07.

A fellowship in Romance Languages was established by the Trustees in 1893, and has been held by the following students:

THÉRÈSE F. COLIN,† .....1893-94.

Wellesley, Mass. Diplômée et agrégée, Collège de Neuchâtel, 1875; A.M., Leland Stanford, Jr., University, 1893; Ph.D., University of Pennsylvania, 1897. Muséum d'Histoire Naturelle, Paris, 1883-85; University of the City of New York, 1887-88; Reader in Romance Languages, and Graduate Student, Bryn Mawr College, 1894-96; Student in Romance Philology and Literature, Sorbonne, Collège de France, Ecole des Hautes Etudes, Ecole des Chartes, Paris, 1895; Head of French Department in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1896-1904; Associate Professor of French, Wellesley College, 1904-07, and Head of the Department of French, 1906-07.

ESTHER TONTANT DE BEAUREGARD ROBINSON,‡ .....1894-95.

Toronto, Canada. A.B., University of Toronto, 1894. Ontario Normal College, 1895-96; Teacher of Modern Languages, Niagara Falls Collegiate Institute, 1898-1900; Graduate Student in English, University of Pennsylvania, 1900-01; Teacher of English and French in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, Pa., 1900-05.

ANNA LEWIS COLE, .....1895-96.

See page 15.

CHARLOTTE DE MACKLOT THOMPSON, .....1896-97.

Baltimore, Md. A.B., Bryn Mawr College, 1896, and A.M., 1897. Student in Old Spanish under Prof. A. Marshall Elliott, Baltimore, 1897-98; Assistant in English, Bryn Mawr School, Baltimore, 1897-98; Student in Medieval History, Newnham College, University of Cambridge, England, 1898-99, University of Oxford, 1899-1901.

EDITH FAHNESTOCK, .....1897-98.

See page 16.

CAROLINE BROWN BOURLAND, .....1898-99.

See page 22.

ANABELLE RONBURGH HUTCHINSON, .....1899-1900.

York, England. Newnham College, University of Cambridge, England, 1895-99; Medieval and Modern Languages Tripos, 1898; Sorbonne, 1900-01; Assistant Librarian, University Library, Cambridge, 1902-05; Assistant Lecturer in French, Newnham College, 1904-06.

REBECCA SHAPIRO STRAUSS,§ .....1900-01.

Marshfield, Wis. L.B., University of Wisconsin, 1898, and L.M., 1900. Graduate Student, University of Wisconsin, 1899-1900; Assistant Principal of the High School, Grand Rapids, Wis., 1902-03.

\*Mrs. Rowland Bacchus Dodge, 1906.

†Mrs. Alfred Colin.

‡Mrs. Percy J. Robinson, 1905.

§Mrs. Richard Strauss, 1904.

FLORENCE LEFTWICH RAVENEL,\* .....1902-03.  
See page 20.

HELEN MARGARET EVERS, .....1903-05.

St. Louis, Mo. A.B., Washington University, 1899; A.M., University of Missouri, 1902; Ph.D., Bryn Mawr College, 1905. Graduate Student, University of Missouri, 1901-03, and Fellow in Romance Languages, 1902-03; Acting Instructor in Romance Languages, University of Missouri, 1905-06.

A fellowship in History and Economics and Politics was established by the Trustees in 1885, and has been held by the following students:

JANE M. BANCROFT ROBINSON,† .....1885-86.

West Stockbridge, Mass. Ph.B., Syracuse University, 1877, Ph.M., 1880, and Ph.D., 1884. Professor of French Language and Literature, Northwestern University, 1877-85; University of Zürich, 1886-87; Sorbonne and Collège de France, 1888.

LUCY MAYNARD SALMON, .....1886-87.

Poughkeepsie, N. Y. A.B., University of Michigan, 1876, and A.M., 1883. Teacher of History in the Indiana State Normal School, 1883-86; Associate Professor of History, Vassar College, 1887-89, and Professor of History, 1889-1907.

CORA AGNES BENNESON, .....1887-88.

Cambridge, Mass. A.B., University of Michigan, 1878, LL.B., 1880, and A.M., 1883. Graduate Student, Radcliffe College, 1897-1902; Attorney and Counsellor-at-Law, Cambridge, 1894-1907; Special Commissioner in Massachusetts, 1895-1907.

HANNAH ROBIE SEWALL, .....1888-89.

Medford, Mass. A.B., University of Minnesota, 1884, and Ph.D., 1898; A.M., University of Michigan, 1887. Fellow by Courtesy in History, Bryn Mawr College, 1889-90; Assistant in Political Science, University of Minnesota, 1893-1901; Assistant, Boston Children's Aid Society, 1904-07.

ELEANOR LOUISA LORD, .....1889-90.

Malden, Mass. A.B., Smith College, 1887, and A.M., 1890; Ph.D., Bryn Mawr College, 1898. Instructor in History, Smith College, 1890-94; Holder of the European Fellowship of the Women's Educational Association of Boston, and Student in History, Newnham College, University of Cambridge, England, 1894-95; Instructor in History, Woman's College of Baltimore, 1897-1901, Associate Professor, 1901-04, and Professor of History, 1904-07; Member of the Committee of the Charity Organisation Society, Baltimore, Md., 1904-07.

AGNES MATHILDE WERGELAND, .....1890-91.

Chicago, Ill. Studied under the direction of Prof. Konrad Maurer, Munich, 1884-86; University of Zürich, 1888-90; Ph.D., University of Zürich, 1890. Reader in the History of Art, Bryn Mawr College, 1891-93; Docent in History, University of Chicago, 1896-1903; and Non-Resident Reader in History, University Extension Division, 1903-05.

CAROLINE MILES HILL,§ .....1891-92.

Chicago, Ill. A.B., Earlham College, 1887; A.M., University of Michigan, 1890, and Ph.D., 1892. Teacher of Latin in the Friends' Academy, Bloomington, Ind., 1888-89; University of Michigan, 1889-91; Instructor in Philosophy and Political Economy, Mt. Holyoke College, 1892-93; Tutor in History, Wellesley College, 1893-94, and Instructor in Psychology, 1894-95; University Extension Work, Chicago, 1897-1900; Assistant Reference Librarian, John Crerar Library, Chicago, 1900-04; Manager Prairie Weir Farm Summer School for Boys and Girls, 1905-07.

\*Mrs. S. Prioleau Ravenel, 1903.

†Mrs. George O. Robinson, 1891.

§Mrs. William Hill, 1895.



- JANE BOWNE HAINES, .....1892-95.  
Cheltenham, Pa. A.B., Bryn Mawr College, 1891, and A.M., 1892. Graduate Student in History and Political Science, Bryn Mawr College, 1891-92 and 1893-94; Associate Librarian, Bryn Mawr College, 1895-98; New York State Library School, Albany, N. Y., 1898-99; Assistant in the Cataloguing Division, Library of Congress, Washington, D. C., 1900-03; Private Indexer and Bibliographer, 1903-07.
- JANE LOUISE BROWNELL, .....1893-94.  
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1893, and A.M., 1894. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1894-1902, and Associate Mistress, 1897-1902; Associate Principal of Miss Florence Baldwin's School, Bryn Mawr, 1902-06; Head of the Baldwin School, Bryn Mawr, 1906-07.
- NELLIE NEILSON, .....1894-95.  
Philadelphia, Pa. A.B., Bryn Mawr College, 1893, A.M., 1894, and Ph.D., 1899. Graduate Student, Bryn Mawr College, 1893-94, 1900-01; Holder of the American Fellowship of the Association of Collegiate Alumnae, and Graduate Student in English and History, Bryn Mawr College, 1895-96; Research Work in History in Cambridge, England, and in the Public Record Office, London, 1896-97; Private Research Work and Teacher of History in Miss Irwin's School, Philadelphia, 1897-1905; and Reader in English, 1900-02; Instructor in History, Mt. Holyoke College, 1902-03; Acting Professor of European History, 1903-04, and Professor of European History, 1904-07.
- ELEANOR LOUISA LORD, .....1895-96.  
See page 31.
- ELLEN MAUD GRAHAM, .....1896-97.  
Toronto, Ont. A.B., University of Toronto, 1896.
- EMILY FOGG MEADE,\* .....1897-98.  
Philadelphia, Pa. Wellesley College, 1889-91; A.B., University of Chicago, 1897. Graduate Scholar and Fellow by Courtesy in History, Bryn Mawr College, 1898-99; Fellow in Sociology, University of Pennsylvania, 1899-1900; Student, University of Pennsylvania, and Teacher of History and Economics in Mrs. Head's School, Germantown, Philadelphia, and in the Misses Shipley's School, Bryn Mawr, Pa., 1900-01.
- EDITH CLEMENTINE BRAMHALL, .....1898-99.  
Michigan City, Ind. A.B., University of Indiana, 1895; A.M., University of Pennsylvania, 1896; and Ph.D., 1898. Teacher of History in the Manual Training High School, Indianapolis, Ind., 1899-1900; Instructor in History and Economics, Rockford College, 1900-02, and Professor, 1902-07.
- RUTHELLA BERNARD MORY BIBBINS,† .....1899-1900.  
Baltimore, Md. A.B., Woman's College of Baltimore, 1897; Ph.M., University of Chicago, 1899. Student in English and History, University of Oxford, England, 1897-98; Graduate Student in History and History of Art, University of Chicago, 1898-99; London School of Economics, 1900; Research Work in History in the British Museum and in the Public Record Office, London, 1900-02.
- GRACE ELIZABETH MCNAIR, .....1900-01.  
Brodhead, Wis. L.B., University of Wisconsin, 1898, and L.M., 1899. Assistant in History in the High School, Madison, Wis., 1899-1900; Assistant in Latin, German, and History, in the High School, Brodhead, 1902-04.
- LOIS ANNA FARNHAM HORN,‡ .....1901-02.  
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1900, and A.M., 1901. Graduate Scholar in Political Science, Bryn Mawr College, 1900-01.

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\*Mrs. Edward Sherwood Meade, 1900.

†Mrs. Arthur Barneveld Bibbins, 1903. ‡Mrs. David Wilbur Horn, 1903.

- MABEL ATKINSON, .....1902-03.  
 Newcastle-on-Tyne, England. A.M., Glasgow University, 1900. Holder of Research Studentship, London School of Economics, 1900-02; Classical Mistress, High School, Newcastle, England, 1903-04; Lecturer in Philosophy and Assistant to the Professor of Classics, Armstrong College, University of Durham, 1904-07; Member of the Board of Faculties, University of Durham, 1905-07; Honorary Secretary, Settlement Association, Newcastle-on-Tyne, 1906-07.
- GRACE ALBERT, .....1903-04.  
 See page 15.
- ELLEN DEBORAH ELLIS, .....1904-05.  
 See page 21.
- MARION PARRIS, .....1905-06.  
 See page 24.

A fellowship in Philosophy was established by the Trustees in 1896, and has been held by the following students:

- GEORGIANA GODDARD KING, .....1896-97.  
 See page 28.
- FLORENCE PARTHENIA LEWIS, .....1898-99.  
 See page 23.
- MARY KEYT ISHAM, .....1899-1900.  
 Cincinnati, O. A.B., Wellesley College, 1894; A.M., University of Cincinnati, 1898; M.D., Laura Memorial Medical College, 1903. Graduate Student in Philosophy and Psychology, University of Cincinnati, 1897-98; Graduate Student in Philosophy and Psychology, University of Chicago, 1898-99; Lecturer on Psychology and Student, Laura Memorial Medical College, Cincinnati, 1900-03; Intern and House Physician at the Presbyterian Hospital, Cincinnati, 1903-04; Physician, 1904-07.
- MARGARET EDITH HENRY, .....1900-01.  
 Lincoln, Neb. A.B., University of Nebraska, 1898, and A.M., 1900; A.M., Radcliffe College, 1902. Graduate Scholar in Philosophy, University of Nebraska, 1898-99, and Fellow, 1899-1900; Graduate Student, Radcliffe College, 1901-02.
- WINIFRED FLORENCE HYDE, .....1902-04.  
 Lincoln, Neb. A.B., University of Nebraska, 1900. Scholar in Philosophy, University of Nebraska, 1900-01; University of Denver, Summer of 1901; Teacher in the High School, Lincoln, 1901-02; Scholar in Philosophy, Cornell University, 1904-05; Holder of the European Fellowship of the Boston Woman's Educational Association and Student at the University of Jena, 1905-07.
- EDNA ASTON SHEARER, .....1904-05.  
 See page 14.

A fellowship in Mathematics was established by the Trustees in 1885, and has been held by the following students:

- ELLA C. WILLIAMS, .....1885-86.  
 New York City. A.M., University of Michigan, 1880; Studied under Professor Schwarz, of Göttingen, 1883-85; Newnham College, University of Cambridge, England, spring term, 1884; Teacher of Mathematics in Miss Moses's School, New York City, 1886-87; Teacher of Mathematics in the State Normal School, Plymouth, N. H., 1887-89; Teacher of Mathematics in Miss Spence's School, New York City, 1896-98, 1903-05.

- ANNE AMELIA STEWART, .....1886-87.  
 Halifax, N. S. University College, London, 1880-82; B.Sc., Dalhousie College, 1886. Teacher of Mathematics in Miss Mary E. Stevens's School, Germantown, Philadelphia, Pa., 1888-93 and 1895-96; Student in Mathematics and Physics, Newnham College, University of Cambridge, England, 1893-95; Teacher of Mathematics in the Stevens School, Germantown, 1896-99; Private Tutor, 1901-03; Teacher of Mathematics, St. Margaret's College, Toronto, 1903-04; Teacher of Mathematics in Miss Knox's School, Briarcliff Manor, N. Y., 1905-06.
- ELIZABETH MILLER BLANCHARD, .....1889-90.  
 Bellefonte, Pa. A.B., Bryn Mawr College, 1889. Teacher of Mathematics in the Bryn Mawr School, Baltimore, Md., 1891-92; Teacher in Mathematics in the Misses Shipley's School, Bryn Mawr, Pa., 1895-1907, and in Miss Irwin's School, Philadelphia, 1896-1907; Graduate Student, Bryn Mawr College, 1902-03.
- RUTH GENTRY, .....1890-91.  
 Stilesville, Ind. Ph.B., University of Michigan, 1890; Ph.D., Bryn Mawr College, 1896. Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics, University of Berlin, 1891-92; Student at the Sorbonne, and Fellow in Mathematics, Bryn Mawr College, 1892-93, and Fellow by Courtesy, 1893-94; Instructor in Mathematics, Vassar College, 1894-1900, and Associate Professor of Mathematics, 1900-02; Associate Principal of Private School, Pittsburgh, Pa., 1902-06, and Head of Department of Mathematics, 1904-05.
- MARY FRANCES WINSTON NEWSON,\* .....1891-92.  
 Lawrence, Kan. A.B., University of Wisconsin, 1889; Ph.D., University of Göttingen, 1897. Teacher of Mathematics, Downer College, 1889-91; Honorary Fellow in Mathematics, University of Chicago, 1892-93; Holder of the European Fellowship of the Association of Collegiate Alumnae, 1895-96; Student in Mathematics, University of Göttingen, 1893-96; Professor of Mathematics, Kansas State Agricultural College, 1897-1900.
- RUTH GENTRY, .....1892-93.  
 See above.
- ISABEL MADDISON, .....1893-94.  
 See page 21.
- FRANCES HARDCASTLE, .....1894-95.  
 London, England. Girton College, University of Cambridge, England, 1888-92; Mathematical Tripos, Part I, 1891; Part II, 1892. Graduate Student in Mathematics, Bryn Mawr College, 1892-93; Honorary Fellow in Mathematics, University of Chicago, 1893-94; Graduate Student in Mathematics, Girton College, 1895-96; Pfeiffer Student of Girton College, 1902-03.
- EMILIE NORTON MARTIN, .....1895-96.  
 See page 17.
- FANNY COOK GATES, .....1896-97.  
 Baltimore, Md. S.B., Northwestern University, 1894, and S.M., 1895. Fellow in Mathematics, Northwestern University, 1894-95; Graduate Scholar in Mathematics, Bryn Mawr College, 1895-96; Holder of European Fellowship of the Association of Collegiate Alumnae, and Student in Mathematics and Physics, University of Göttingen, 1897-98; Graduate Student, University of Chicago, Summer Term, 1899; Instructor in Physics, Woman's College of Baltimore, 1898-1901, Associate Professor of Physics, 1901-06, and Professor of Physics, 1906-07; Research Student, McGill University, 1902-03; Research Student, Cavendish Laboratory, Cambridge, England, April to August, 1905.
- GERTRUDE LONGBOTTOM, .....1897-98.  
 Louth, Lincolnshire, England. Girton College, University of Cambridge, England, 1893-97; Mathematical Tripos, Part I, 1896; Part II, 1897. M.A., Trinity College, Dublin, 1905. Teacher of Latin in the Municipal Technical School, Louth, 1899-1903, and Teacher of Mathematics, 1900-06; Manager of the Louth British Elementary School, 1904-07; Governor of King Edward VI Girls' Grammar School, Louth, 1902-07.

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\*Mrs. Henry Byron Newson, 1900.



- LOUISE D. CUMMINGS, .....1898-99.  
 Hamilton, Ont. A.B., University of Toronto, 1895, and A.M., 1902. Fellow in Mathematics, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of Pennsylvania, 1896-97; Examiner in Mathematics, University of Toronto, 1897; Graduate Student, University of Chicago, 1897-98; Fellow by Courtesy in Mathematics, Bryn Mawr College, 1900; Instructor in Mathematics, St. Margaret's College, Toronto, Ont., 1901-02; Instructor in Mathematics, Vassar College, 1902-07; Graduate Scholar in Mathematics, Bryn Mawr College, Second Semester, 1905-06.
- ANNIE LYNDESAY WILKINSON HEAD,\* .....1899-1900.  
 Philadelphia, Pa. A.B., Vassar College, 1897, and A.M., 1898. Graduate Scholar, Vassar College, 1897-98; Babbott Fellow of Vassar College and Graduate Scholar in German and Mathematics, Bryn Mawr College, 1898-99; Instructor in Mathematics, Vassar College, 1900-02.
- VIRGINIA RAGSDALE, .....1902-03.  
 See page 18.
- CARRIE ALICE MANN,† .....1903-04.  
 Philadelphia, Pa. A.B., Wellesley College, 1893. Graduate Student, Bryn Mawr College, and Teacher of Mathematics, in the Misses Kirk's School, Rosemont, Pa., 1901-03; Teacher of Mathematics in Mrs. Chapman and Miss Jones's School, Chestnut Hill, Philadelphia, 1904-05.
- MARY EVELYN GERTRUDE WADDELL, .....1904-05.  
 Orono, Ont. A.B., University of Toronto, 1903, and A.M., 1904. Graduate Scholar in Mathematics and Physics, Bryn Mawr College, 1903-04; Teacher of Science and Mathematics in the High School, Strutsville, Ontario, Canada, 1906; Instructor in Mathematics, St. Margaret's College, Toronto, and Graduate Student, University of Toronto, 1906-07.
- FLORENCE HANINGTON, .....1905-06.  
 Ottawa, Canada. A.B., Trinity University, 1904; Graduate Scholar in Mathematics, Bryn Mawr College, 1904-05; Secretary of Bryn Mawr College, 1906-07.

A fellowship in Physics was established by the Trustees in 1896, and has been held by the following students:

- FRANCES LOWATER, .....1896-97.  
 London, England. B.Sc., University of London, 1900; Ph.D., Bryn Mawr College, 1906; University College, Nottingham, 1888-91, 1892-93; Newnham College, University of Cambridge, England, 1891-92; Demonstrator in Physics, Bryn Mawr College, 1893-96, 1897-98, and 1899-1905; Graduate Scholar in Physics, Bryn Mawr College, 1897-98, and Graduate Student in Physics, 1902-06; Secretary of Bryn Mawr College, 1898-99.
- ELIZABETH REBECCA LAIRD, .....1897-98.  
 See page 23.
- MARY ISABEL NORTHWAY WILSON,‡ .....1900-01.  
 Vancouver, B. C. A.B., University of Toronto, 1898. Ontario Normal College, 1898-99. Graduate Scholar in Physics, Bryn Mawr College, 1899-1900; Student of Domestic Science, 1901-02; Assistant in Physics Department, Smith College, 1902-03.
- HARRIET BROOKS, .....1901-02.  
 See page 23.
- EUGENIA FOWLER, .....1902-03.  
 Catonsville, Md. A.B., Bryn Mawr College, 1901, and A.M., 1902. Mistress of Llanberis, and Graduate Student, Bryn Mawr College, 1901-02; Secretary and Manager of Athletics, St. Timothy's School, Catonsville, 1903-07.

\*Mrs. Joseph Head, 1902.

†Deceased, 1905.

‡Mrs. R. J. Wilson, 1904.

- HELEN ELIZABETH SCHIAEFFER, .....1904-05.  
See page 18.
- ELIZABETH HELEN LUNDIE, .....1905-06.  
Montreal, Canada. A.B., McGill University, 1903, and M.Sc., 1904.

A fellowship in Chemistry was established by the Trustees in 1893, and has been held by the following students:

- EMMA HARRIET PARKER, .....1893-94.  
Charleston, N. H. S.B., Smith College, 1887. Graduate Student in Chemistry, Bryn Mawr College, 1892-93, and Graduate Scholar in Chemistry, 1894-95; Instructor in Chemistry, Wellesley College, 1895-97; Teacher of Science in the High School, New Bedford, Mass., 1897-1900; Teacher of Chemistry, in the High School, Newton, Mass., 1900-07.
- AMY CORDOVA ROCK RANSOME,\* .....1894-95.  
Washington, D. C. A.B., Bryn Mawr College, 1893. Assistant in Chemical Laboratory, and Graduate Student in Chemistry, Bryn Mawr College, 1893-94; Student in Chemistry, Mineralogy, and Physics, University of Heidelberg, 1895-96; Student in Mineralogy and Geology, University of Berlin, 1896-97; Chairman of Committee for Household Research in the Public Education Association of Washington, 1905-07; Chairman of Committee on Home Economics in the Washington Branch of the Association of Collegiate Alumnae, 1906-07.
- MARY PETTY, .....1895-96.  
Greensboro, N. C. S.B., Wellesley College, 1885. Teacher of Latin, Guilford College, 1888-93; Teacher of Chemistry and Physics, in the State Normal and Industrial College, Greensboro, 1893-95, and 1896-99, and Head of Department of Chemistry, 1899-1907; Member of Book Committee of Public Library, Greensboro, 1905-06.
- CHARLOTTE FAIRBANKS, .....1896-97.  
Philadelphia, Pa. A.B., Smith College, 1894; Ph.D., Yale University, 1896; M.D., Woman's Medical College of Pennsylvania, 1902. Instructor in Chemistry, Wellesley College, 1897-99; Woman's Medical College of Pennsylvania, 1899-1902; Physician, 1905-07; Instructor in Chemistry and Materia Medica, Woman's Medical College of Pennsylvania, 1906-07.
- MARY CLOYD BURNLEY, .....1897-98.  
Swarthmore, Pa. A.B., Woman's College of Baltimore, 1897, and A.M., 1899. Assistant in Chemistry, Vassar College, 1898-1900, and Instructor in Chemistry, 1900-07.
- MARGARET BAXTER MACDONALD, .....1898-99.  
State College, Pa. Pennsylvania State College, 1893-95; B.S., Mt. Holyoke College, 1898; Ph.D., Bryn Mawr College, 1902. Student Assistant in Chemical Laboratory, Mt. Holyoke College, 1895-97; Graduate Scholar in Chemistry and Physiology, Bryn Mawr College, 1897-98; Pepper Fellow in Chemistry, University of Pennsylvania, 1899-1900; Graduate Scholar and Fellow by Courtesy in Chemistry, Bryn Mawr College, 1900-01; Professor of Chemistry and Physics, Asheville College, Asheville, N. C., 1901-02; Professor of Chemistry, New Jersey State Normal School, 1902-04; Instructor in Chemistry, Vassar College, 1905-06.
- MARIE REIMER, .....1899-1900.  
See page 22.
- WINONA ALICE HUGHES, .....1900-01.  
Marion, O. Ph.B., University of Wooster, 1891. Graduate Student, Cornell University, Summer School, 1894; Harvard University, Summer School, 1895; University of Chicago, 1897-99; Teacher of Science in the Public Schools, Marion, 1892-97, and in the High School, Mansfield, O., 1899-1900; Teacher of Science in the High School, Ottumwa, Ia., 1901-02; Teacher of Chemistry and Zoology in the High School, Mansfield, 1902-06; Instructor in Chemistry, Mt. Holyoke College, 1906-07.

\*Mrs. Frederick Leslie Ransome, 1899.

- MARIE REIMER, .....1901-02.  
See page 22.
- WILLEY DENIS, .....1902-03.  
New Orleans, La. A.B., Tulane University, 1899, and A.M., 1902. Graduate Student, Bryn Mawr College, 1899-1901; Tulane University, 1901-02, 1903-04; University of Chicago, 1905-06.
- BELLA MARCUSE, .....1904-05.  
Westmount, P. Q. A.B., McGill University, 1900, and M.Sc., 1903. Student, University of Breslau, 1900-01; Assistant, McGill Model School, Montreal, Canada, January to June, 1904; Student in French, McGill University, and Private Tutor, 1905-07.
- MARY VIOLETTE DOVER, .....1905-06.  
Peterboro, Canada. A.B., McGill University, 1898, and M.Sc., 1900; Student, University of Breslau, 1906-07.

A fellowship in Biology was established by the Trustees in 1885, and has been held by the following students:

- EFFIE A. SOUTHWORTH SPALDING,\* .....1885-86.  
Tucson, Ariz. S.B., University of Michigan, 1885. Student Assistant in the Biological Laboratory, Bryn Mawr College, 1886-87; Assistant Mycologist of the United States Agricultural Bureau, Washington, D. C., 1887-92; Assistant in Botany, Barnard College, 1892-95.
- MARCELLA I. O'GRADY BOVERI,† .....1887-89.  
Würzburg, Bavaria. S.B., Massachusetts Institute of Technology, 1885. Teacher of Science in the Bryn Mawr School, Baltimore, Md., 1885-87; Demonstrator in Biology, Bryn Mawr College, 1887-89; Associate Professor of Biology, Vassar College, 1889-93; Professor of Biology, Vassar College, 1893-97.
- HARRIET RANDOLPH, .....1889-90.  
Bryn Mawr, Pa. A.B., Bryn Mawr College, 1889; Ph.D., University of Zürich, 1892. Student, University of Zürich, 1890-92; Demonstrator in Biology, Bryn Mawr College, 1892-1907, and Reader in Botany, 1893-1907; Graduate Student in Italian Art, Bryn Mawr College, 1896-97.
- JEAN KIRK HOWELL, .....1891-92.  
Plainfield, N. J. Ph.B., Cornell University, 1888, and S.M., 1890. Assistant in Botany, Barnard College, 1892-96; Teacher of Science in the Phillips High School, Watertown, Mass., 1898-99; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1899-1905; Teacher of Science, Plainfield Seminary, 1905-07.
- IDA H. HYDE, .....1892-93.  
Chicago, Ill. S.B., Cornell University, 1891; Ph.D., University of Heidelberg, 1896. Student Assistant in Biology, Bryn Mawr College, 1891-92; Holder of the European Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Strassburg, 1893-94; Holder of the Phebe Hunt Fellowship of the Association of Collegiate Alumnae, and Student in Biology, University of Heidelberg, 1894-96; Teacher of Science in Miss Ingol's School, Cambridge, Mass., 1898-99; Associate Professor of Physiology, University of Kansas, 1899-1905.
- ELIZABETH NICHOLS MOORES,‡ .....1893-94.  
Indianapolis, Ind. A.B., Bryn Mawr College, 1893. Graduate Student, Bryn Mawr College, 1894-95; Teacher of Science in the Girls' High School, Philadelphia, Pa., 1895-96.

\*Mrs. Volney Morgan Spalding, 1896.

†Mrs. Theodore Boveri, 1897.

‡Mrs. Charles W. Moores, 1896.

- ESTHER F. BYRNES, .....1894-95.  
Philadelphia, Pa. A.B., Bryn Mawr College, 1891, A.M., 1894, and Ph.D., 1898. Assistant in the Biological Laboratory, Vassar College, 1891-93; Graduate Scholar in Biology, Bryn Mawr College, 1893-94; and Graduate Student in Biology, 1895-97; Instructor in Physiology in the Girls' High School, Brooklyn, New York City, 1897-98, and Teacher of Physiology and Zoology, 1898-1907; Fellow of the New York Academy of Science; Chairman of the Section of Biology of the New York State Science Teachers' Association, 1906.
- CLARA LANGENBECK, .....1895-96.  
See page 23.
- FLORENCE PEEBLES, .....1896-97.  
See page 18.
- HELEN DEAN KING, .....1897-98.
- OWEGO, N. Y. A.B., Vassar College, 1892; Ph.D., Bryn Mawr College, 1901. Graduate Student in Biology, Vassar College, and Assistant in the Biological Laboratory, 1894-95; Graduate Scholar in Biology, Bryn Mawr College, 1895-96, and Graduate Student in Biology, 1896-97 and 1901-06; Fellow in Biology, Bryn Mawr College, 1897-98, and Fellow by Courtesy in Biology, 1898-1901; Teacher of Science in Miss Florence Baldwin's School, Bryn Mawr, Pa., 1899-1907; University Research Fellow in Biology, University of Pennsylvania, 1906-07.
- ANNAH PUTNAM HAZEN, .....1898-99.
- WHITE RIVER, VT. L.B., Smith College, 1895; S.M., Dartmouth College, 1897. Graduate Student in Biology, Dartmouth College, 1895-96; Graduate Scholar in Biology, Bryn Mawr College, 1897-98; Teacher of Biology in the State Normal School, Plymouth, N. H., 1899-1900; Assistant in Zoology, Smith College, 1900-03; Teacher of Biology in the Wadleigh High School, New York City, 1903-07.
- ELIZABETH WILLIAMS TOWLE, .....1899-1900.
- RICHMOND HILL, Long Island, N. Y. A.B., Bryn Mawr College, 1898, and A.M., 1899. Graduate Scholar in Physics and Biology, Bryn Mawr College, 1898-99; Teacher of Natural Science in the High School, Middletown, Conn., 1900-01; Instructor in Biology, Rockford College, Rockford, Ill., 1901-03; Fellow in Physiology, University of Chicago, 1903-04; Graduate Student in Zoology, Columbia University, 1904-06; Teacher of Physiology in Miss Jacobi's School, New York City, 1904-05.
- AMELIA CATHERINE SMITH CALVERT,<sup>†</sup> .....1900-01.
- Philadelphia, Pa. S.B., University of Pennsylvania, 1899. Graduate Scholar in Biology, Bryn Mawr College, 1899-1900; Demonstrator in Zoology, University of Pennsylvania, 1901-02; Graduate Student, University of Pennsylvania, 1904-06.
- NETTIE MARIA STEVENS, .....1902-03.  
See page 23.
- ELEN TORELLE, .....1903-04.
- MINNEAPOLIS, MINN. Ph.B., University of Minnesota, 1901, and A.M., 1902. Graduate Scholar, Bryn Mawr College, 1902-03; Dean of Milwaukee-Downer College and Professor of Biology, 1905-07.
- NADINE NOWLIN, .....1905-06.  
See page 14.

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<sup>†</sup>Mrs. Philip Powell Calvert, 1901.



## BRYN MAWR COLLEGE.

### GRADUATE COURSES OF INSTRUCTION.

BRYN MAWR COLLEGE, situated at Bryn Mawr, Pennsylvania, five miles from Philadelphia, was endowed by Dr. Joseph W. Taylor, of Burlington, New Jersey, who purposed founding an institution of learning for the advanced education of women which should afford them "all the advantages of a college education that are so freely offered to young men." In the spring of 1885 the first program was issued, and the college opened for instruction in the following autumn.

Three classes of persons are admitted to the lectures and class work of the college—graduate students, undergraduate students, and hearers. For the convenience of graduate students the regulations of the graduate department and the graduate courses of instruction are published separately. No undergraduates are admitted to graduate courses.

#### *Regulations of the Graduate Department.*

From the first it has been the policy of the Trustees of Bryn Mawr College to organise no department in which they could not provide for graduate as well as undergraduate study. Only such instructors have been chosen as are qualified to direct both graduate and undergraduate work. In each department a consecutive series of graduate courses pursued throughout three years provides preparation in the chief or major subject of the examination for the degree of Doctor of Philosophy, and certain courses may be pursued for one or two years and offered as one of the two minor or secondary subjects.

#### *Admission.*

Graduate students must have presented a diploma from some college of acknowledged standing.\* They may pursue any

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\* The certificates of the women's colleges of the English universities of Oxford and Cambridge, are regarded as equivalent to a first degree,—i. e. to the degree of Bachelor of Arts.



courses offered by the college for which their previous training has fitted them; but they must satisfy the several instructors of their ability to profit by the courses they desire to follow, and may be required to pursue certain introductory or auxiliary studies before they are admitted to the advanced or purely graduate courses. They are, moreover, entitled to personal guidance and direction, supervision of their general reading and furtherance of their investigations, from the instructors, and their needs will be considered in the arrangement of new courses of lectures; they must consult the President in regard to the courses they are to pursue, and must be duly registered for those courses at the President's office.

A reading knowledge of French and German is regarded as of the utmost importance to all graduate students, and is required of all candidates for a second degree. The undergraduate department will afford the student every opportunity for making good any deficiencies in this respect.

### *Fellowships and Scholarships.*

The most distinguished place among the graduate students is held by the Fellows, who must reside in the college during the academic year. Eleven resident fellowships, of the value of five hundred and twenty-five dollars each, are awarded annually—one in Greek, one in Latin, one in English, one in German and Teutonic philology, one in Romance languages, one in history or economics and politics, one in philosophy, one in mathematics, one in physics, one in chemistry, and one in biology. These fellowships are awarded in recognition of previous attainments as an honour. They are open to graduates of Bryn Mawr College, or of any other college of good standing, and will be awarded only to candidates who have completed at least one year of graduate study. Generally speaking, they will be awarded to the candidates that have studied longest, or whose work gives most promise of future success. Applications should be made as early as possible to the President of the College, and must be made not later than the fifteenth of April preceding the year for which the fellowship is desired. Blank forms for application will be forwarded to applicants by the President. A definite answer will

be given within two weeks of the last date fixed for application. The holder of a fellowship is expected to show, by the presentation of a thesis, or in some other manner, that her studies have not been without result. Fellows are expected to attend all college functions, to wear academic dress, to assist in the conduct of examinations, and to give about an hour a week to the care of the special libraries in the halls of residence and in the seminaries, but no such service may be required of them except by a written request from the President's office; they are not permitted, while holding the fellowship, to teach or to undertake any other duties in addition to their college work. All Fellows may study for the degree of Doctor of Philosophy, the fellowship being counted, for this purpose, as equivalent to the degree of Bachelor of Arts. Fellows that continue their studies at the college after the expiration of the fellowship, may, by vote of the Trustees, receive the rank of Fellows by Courtesy.

Eighteen graduate scholarships, of the value of two hundred dollars each, may, on the recommendation of the head of the department in question, be awarded to the candidates next in merit to the successful candidates for the fellowships; they are open also to all graduates of Bryn Mawr College or of other colleges of good standing. Scholars are expected to reside in the college, to attend all college functions, to wear academic dress, and to assist in the conduct of examinations.

Two European fellowships, founded by Miss Garrett, of Baltimore, are open to graduate students who are enrolled as candidates for the degree of Doctor of Philosophy. One, founded in 1896, and named by the donor the President M. Carey Thomas Fellowship, is awarded annually on the ground of excellence in scholarship to a student in her first year of graduate work at Bryn Mawr College; the other, founded in 1894, and known as the Mary E. Garrett Fellowship, is awarded annually on the ground of excellence in scholarship to a student still in residence who has for two years pursued graduate studies at Bryn Mawr College. These fellowships, of the value of five hundred dollars each, are intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The choice of a university may be determined by the holder's own preference, subject to the approval of the Faculty.

### *Research Fellowships.*

A Research Fellowship in German and Teutonic Philology has been founded by a donor whose name will be announced later, and will be awarded for the first time in 1907. It is open to graduate students who have received the degree of Doctor of Philosophy or who have completed equivalent work. The Fellowship is of the value of seven hundred dollars, and is intended to defray the expenses of one year's study and residence at some foreign university, English or Continental. The result of the year's study is to be embodied in a thesis.

A Research Fellowship in Chemistry has been founded and will be awarded for the first time in 1907. It is open to graduate students who have received the degree of Doctor of Philosophy or who have completed equivalent work. The Fellowship is of the value of five hundred dollars, and the holder is required to reside at Bryn Mawr College for one year and to assist the head of the department of chemistry in research work.

### *Studies Leading to a Second Degree.*

Graduates of Bryn Mawr College, and graduates of other colleges, who shall have satisfied the Academic Council that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given at Bryn Mawr College, or who shall have attended such additional courses of lectures as may be prescribed, may apply to the Academic Council to be enrolled as candidates for the degree of Doctor of Philosophy and Master of Arts; admission to the graduate school does not, in itself, qualify a student to become a candidate for this degree. A separate degree of Master of Arts is open to graduates of Bryn Mawr College, but to them only.

### *The Degree of Master of Arts.*

The candidate for the degree of Master of Arts must be a Bachelor of Arts of Bryn Mawr College and must have studied for one full year in the graduate school of Bryn Mawr College, devoting herself to systematic advanced work approved by the Graduate Committee of the Academic Council. The candidate must submit her proposed course of study for the approval of

this committee on or before the second Wednesday in November. She must pass a special written examination on each subject to the satisfaction of the department, or an oral examination in the presence of the members of the Faculty, as may be preferred by the heads of the departments in which she has studied.

*The Degree of Doctor of Philosophy and Master of Arts.*

The degree of Doctor of Philosophy and Master of Arts may be conferred upon graduates of Bryn Mawr College, and upon graduates of other colleges who shall have satisfied the Academic Council either that the course of study for which they received a degree is equivalent to that for which the degree of Bachelor of Arts is given by Bryn Mawr College, or that it has been adequately supplemented by subsequent study.

The candidate must have pursued for at least three years, after having received the first degree, a course of liberal (non-professional) study at some college or university approved by the Academic Council, and must have spent at least two of these years at Bryn Mawr College. She must have written, on some subject connected with her chief subject of study, a dissertation that bears satisfactory evidence of original research, and must pass a written and an oral examination in the presence of the members of the Faculty on one major or chief subject, and a written and an oral examination on two minor subjects. In special cases where one minor subject is substituted for the two minor or secondary subjects, the time spent on the one secondary subject must be equal to the time usually spent on the two minor subjects, and every combination of major and minor subjects for the final examination must have been submitted to the Graduate Committee, by whom, after due consultation with the heads of the departments concerned, it is submitted to the Academic Council. The candidate may be required to pursue certain auxiliary studies in connection with the subject that she has elected; and the degree of Doctor of Philosophy is given to no one who cannot read French and German, or who is unacquainted with Latin. The dissertation must have been printed by the candidate before she can be admitted to the degree of Doctor of Philosophy. The degree of Doctor of Philosophy will in no case be conferred by the college as an honorary degree.



*Expenses.*

The charge for tuition for graduate students attending six or more hours a week of lectures and for fellows and graduate scholars is one hundred and twenty-five dollars a year, payable half-yearly in advance. Those graduate students who do not take the full amount of work are charged for one hour a week of lectures, ten dollars a semester; for two hours a week of lectures, twenty dollars a semester; for three hours a week of lectures, thirty dollars a semester; and for four or five hours a week of lectures, forty dollars a semester, payable in advance.\* This arrangement is made especially for non-resident students, but those who wish to take only five hours a week of lectures or less may live in the college halls on the understanding that they must give up their rooms if needed for students who are taking the full amount of graduate work and paying the regular tuition fee. The tuition fee for the semester becomes due as soon as the student is registered in the college office.

Graduate students taking courses in scientific departments (Physics, Chemistry, Geology, Biology, and Psychology) amounting to six or more hours a week of lecture courses, or its equivalent in laboratory courses, are charged a laboratory fee of eighteen dollars a semester, with the following exceptions: if the student takes, as a regular student, courses in subjects not enumerated above amounting to six hours a week, the laboratory fee is reduced to twelve dollars a semester; and if she takes, as a regular student, courses in subjects not enumerated above, amounting to ten hours a week, the laboratory fee is reduced to six dollars a semester.

Graduate students taking less than six hours a week of lectures, or its equivalent in laboratory work, are charged ten dollars a semester for every laboratory course of four or more hours a week, and five dollars a semester for every laboratory course of less than four hours a week.

In courses in Geology each hour of field work counts as one hour of laboratory work.

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\* Graduate students are admitted to residence or attendance on the lectures at any time during the year, and in this case a proportionate reduction is made in the charges for board, room-rent and tuition.

The fees charged are reckoned on the basis of the actual hours of conference or lecture, irrespective of the number of undergraduate hours to which the course is regarded as equivalent.

In counting the number of hours for which a graduate student is registered the following special arrangements are made in regard to laboratory courses: payment for a one hour lecture course in a scientific department entitles the student to four hours of laboratory work in addition, with no extra charge except the laboratory fee; a two and a half hour undergraduate laboratory course or a five hour graduate laboratory course is considered in respect to charges for tuition as a one hour lecture course. The laboratory fees, as stated on page 44, are charged in addition.



*Residence.*

Residence in the college buildings is optional except for holders of resident fellowships and scholarships. The expense of board and residence in the graduate wings of the college halls is two hundred and seventy-five dollars. Of this amount two hundred dollars is the charge for board, and is payable half-yearly in advance; the remainder is room-rent, and is payable yearly in advance. Every student has a separate bedroom. Room-rent includes all expenses of furnishing, service, heating, and light.

The health of the students is under the charge of Dr. George S. Gerhard, of Overbrook, Consulting Physician of the College, Dr. Thomas F. Branson, of Rosemont, Attending Physician of the College, and Dr. Ella B. Everitt, a physician practising in Philadelphia, who spends two afternoons a week from four to six, at her office in the College, and may be consulted by the students free of charge. She may also be consulted at other times by appointment.

The conduct of the students in all matters not purely academic, or affecting the management of the halls of residence, or the student body as a whole, is in the hands of the Students' Association for Self-Government. All resident students of Bryn Mawr College, whether graduates or undergraduates, are members of this association.

In 1893 the Bryn Mawr Graduate Club was organised by the graduate students then in residence, its object being to further the social life of the graduate students and to facilitate interchange of opinion with other colleges and universities doing graduate work. A room in Denbigh Hall is set apart by the college to be used by the members as a club-room. Informal meetings are frequently held in these rooms, and several times during the year the club invites the Faculty and friends of the college to larger social gatherings, which are addressed by well-known speakers. The club belongs to the Federation of Graduate Clubs and sends its representatives to the meetings of the Federation.

Plans of the graduate wings of Denbigh Hall, Radnor Hall, Pembroke Hall East, Pembroke Hall West, and Rockefeller Hall with a full account of the halls and tariff of rooms, may be obtained by application to the Secretary of the College. Each

of these halls (except Pembroke, which has a common dining-hall and kitchen for the two wings) has its separate kitchen and dining-hall, and provides accommodation for from fifty to eighty students; a special wing or corridor is reserved for graduate students, and in order to secure entire quiet no undergraduate students are permitted to engage rooms in the graduate wings.

Application for rooms should be made as early as possible. The demand for graduate rooms is very great, and since every room unnecessarily reserved may prevent some other student from entering the college, a deposit of fifteen dollars is required in order that the application may be registered. In case the applicant enters the college in the year for which the room is reserved, the amount of the deposit is deducted from the first college bill. If she changes the date of her application or files formal notice of withdrawal at the secretary's office before July first of the year for which the application is made, the deposit will be refunded. If, for any reason whatever, the change or withdrawal be made later than July first, the amount will be forfeited. Students making application for a room in February forfeit the deposit if they do not file formal notice of withdrawal at the secretary's office before December first of the academic year for which the room is reserved. In order to make application for a room it is necessary to sign a room-contract, which will be sent on application, and return it with the fee of fifteen dollars to the Secretary of the College. A deposit of fifteen dollars must also be made by each student in residence in order to insure the tenure of her room for the following academic year. This sum will be forfeited if formal notice of withdrawal is not filed at the secretary's office on or before May first of the current year.

All students reserving rooms who do not inform the Secretary of their change of intention before September first of the academic year for which the room is reserved, are responsible for the rent of the room for the entire academic year. All students applying for rooms in February will be responsible for the rent of the room for the semester if they do not inform the Secretary of their change of intention before January first.

Students are expected to provide their own rugs and towels, but in every other respect the rooms are completely furnished. Electric reading lamps, table napkins, sheets, etc., are provided by the college. No part whatever need be taken by the students in the care of their own rooms.

There are open fire-places in nearly all the studies and in many single rooms, but the rooms are sufficiently heated by steam. The air in each room is changed every ten minutes, and the temperature is regulated by a thermostat in each room. The students' personal washing may be done by any laundry recommended by the college for 50 cents a dozen, or about \$8 a half-year for one dozen pieces a week.

No charge is made for sending meals to students that are in the infirmary by the order of a physician.

Accommodation is provided for students that wish to remain at the college during the Christmas and Easter vacations at a rate proportional to that paid by them for board and residence during the college year.

The charge for tuition is \$125 a year, payable half-yearly in advance.

The charge for residence in the graduate wings of the college halls, exclusive of board, is \$75 a year, payable in advance.

The charge for board is \$200 a year, payable half-yearly in advance. The charges for room-rent for the year, and for tuition and board for the first semester must be paid at the Bursar's office before November 1st; the charges for tuition and board for the second semester must be paid before March 1st. The charges for tuition and room-rent are not subject to return or deduction under any circumstances; in case of prolonged illness and absence from the college extending over six weeks or more a proportional reduction in the charge for board will be made. Students whose fees are not paid by the dates above specified will not be allowed to continue in residence or in attendance on their lectures.

THE STUDENTS' LOAN FUND OF BRYN MAWR COLLEGE was founded by the Class of 1890 for the purpose of receiving contributions, however small, from those who are interested in aiding students to obtain an education. The money thus contributed is distributed in the form of partial aid, and as a loan. It is as a rule applied to the assistance of those students only who have attended courses in the college for at least one year. The Fund is managed by a committee consisting of the President of the College and representatives of the Alumnæ Association of Bryn Mawr College. The committee reports yearly to the Board of Trustees and to the Alumnæ Association. The committee consists of the following members: President M. Carey Thomas; Miss Martha G. Thomas, Secretary and Treasurer, Bryn Mawr College; Miss Helen S. Hoyt, Low Buildings, Bryn Mawr; Mrs. Samuel Emlen, Jr., East Johnson Street, Germantown, Philadelphia, Mrs. Herbert Seymour Darlington, Villa Nova, Pa., and Mrs. Warren Parsons Thorpe, 1523 Locust Street, Philadelphia. Contributions may be sent to any member of the committee. Applications for loans should be sent to the Treasurer of the committee, and all applications for loans for any given year should be made before May 1st of the preceding academic year.

### *Libraries.*

The fact that the college is situated in the suburbs of Philadelphia enables the student to make use of all the resources of the libraries of Philadelphia, as well as of those of the college proper.

The college library has been collected within the past twenty-two years, and is designed to be, as far as possible, a library for special study. There are at present on its shelves about fifty-two thousand bound volumes, and eight thousand doctors' dissertations and pamphlets, the collection including the classical library of the late Professor Sauppe, of Göttingen, which was presented to the college in 1894, and the Semitic library of the late Professor Amiaud, of Paris, acquired in 1892. A more detailed description of these two collections may be found on pages 52 and 74.

The sum of four thousand dollars is expended yearly for books under the direction of the heads of the several collegiate departments, and, in addition to many gifts of books, over seventeen thousand dollars has been presented to the library during the past nine years for expenditure in special departments. Three hundred and sixty-four serial publications and reviews in the English, German, Greek, French, Italian, Spanish, Norse, and Swedish languages, are taken by the library, as follows:

Academy; Acta Mathematica; \*Advocate of Peace; Allgemeines Statistisches Archiv; American Chemical Journal; \*American Economist; American Federationist; American Friend; American Historical Review; American Journal of Anatomy; American Journal of Archæology; American Journal of Mathematics; American Journal of Philology; American Journal of Physiology; American Journal of Psychology; American Journal of Religious Psychology and Education; American Journal of Science; American Journal of Semitic Languages; American Journal of Sociology; American Journal of Theology; American Naturalist; Anatomischer Anzeiger; Anglia; Anglistische Forschungen; Annalen der Chemie; Annalen der Physik; Annales de Chimie et de Physique; Annales Politiques et Littéraires; Annales Scientifiques de l'Ecole Normale Supérieure; Annali di Matematica; Annals of the American Academy of Political and Social Science; L'Année Psychologique; Archiv für Anatomie und Physiologie; Archiv für das Studium der Neueren Sprachen und Literaturen; Archiv für die Gesamte Physiologie; Archiv für die Gesamte Psychologie; Archiv für Entwicklungsmechanik der Organismen; Archiv für Geschichte der Philosophie; Archiv für Lateinische Lexicographie; Archiv für Mikroskopische Anatomie; Archiv für Protistenkunde; Archiv für Systematische Philosophie; Archives de Physiologie; Archivio Glottologico Italiano; Arkiv for Nordisk Filologi; Astrophysical Journal; Athenæum; Atlantic Monthly; Atti della Reale Accademia delle Scienze di Torino; \*Baptist Missionary Magazine; Beiblätter zu den Annalen der Physik und Chemie; Beilage zur Allgemeinen Zeitung; Beiträge zur Geschichte der Deutschen Sprache und Literatur; Beiträge zur Kunde der Indogermanischen Sprachen; Berichte der Deutschen Chemischen Gesellschaft; Berliner Philologische Wochenschrift; Biblical World; Bibliographical Contributions from the University of Nebraska; \*Bibliographical Contributions of Bowdoin College Library; \*Bibliographical Contributions of Harvard University; Bibliotheca Mathematica; Bibliotheca Sacra; Bibliothèque de la faculté des lettres de l'Université de Paris; Biological Bulletin; Biologisches Centralblatt; Biometrika; Bollettino di Bibliografia e Storia delle Scienze Matematiche; \*Book News Monthly; \*Bookbuyer;



Bookman; Bookman (London); Bookseller; \*Boston Evening Transcript; Botanische Zeitung; Botanisches Centralblatt; British Journal of Psychology; Bryn Mawr College Monographs; Bulletin Bibliographique et Pédagogique; Bulletin de Correspondance Hellénique; Bulletin de l'Institut Psychologique; Bulletin de la Société des Anciens Textes Français; Bulletin de la Société Mathématique de France; Bulletin des Sciences Mathématiques; Bulletin Hispanique; Bulletin Italien; Bulletin of American Mathematical Society; \*Bulletin of Bibliography; \*Bulletin of the Boston Museum of Fine Arts; \*Bulletin of the Free Library of Philadelphia; \*Bulletin of the Metropolitan Museum of Art; \*Bulletin of the New York Public Library; \*Bulletin of the University of Minnesota; \*Bulletin of the University of Missouri; \*Bulletin of the New York State Department of Labor; \*Bulletins of the New York State Library; \*Bulletins of the University of Wisconsin; Burlington Magazine; Centralblatt für Mineralogie; Centralblatt für Physiologie; Century Magazine; Charities; Chaucer Society Publications; Chicago Seminary Quarterly; \*City and State; Classical Journal; Classical Philology; Classical Review; Columbia Law Review; \*Columbia University Quarterly; Comptes Rendus des Séances de l'Académie des Sciences; Contemporary Review; Country Life in America; La Cultura; \*Deaconess' Advocate; Deutsche Literaturzeitung; Deutsche Monatsschrift; Deutsche Rundschau; Dialect Notes; Early English Text Society Publications; Economic Geology; Economic Journal; Economic Review; Education; Educational Review; Educational Times; Electrician; Englische Studien; English Historical Review; Ephemeris Archaeologica; Euphorion; Expositor; Expository Times; Fortnightly Review; Forum; \*Friends' Missionary Advocate; Geological Magazine; Geologisches Centralblatt; German-American Annals; Germanic Studies; Giornale Dantesco; Giornale di Matematiche di Battaglini; Giornale Storico della Letteratura Italiana; Goethe-Jahrbuch; Göttingische Gelehrte Anzeigen; Gymnasium; Harper's Magazine; Harper's Weekly; Hartford Seminary Record; Harvard Law Review; Harvard Studies in Classical Philology; Hermes; Historische Vierteljahrschrift; Historische Zeitschrift; \*Hochschulnachrichten; Indogermanische Forschungen; International Journal of Ethics; International Quarterly; International Socialist Review; Isendinga Sögur; Jahrbuch der Chemie; Jahrbuch der Deutschen Shakespeare Gesellschaft; Jahrbuch des Kaiserlich Deutschen Archäologischen Instituts; Jahrbuch des Vereins für Niederdeutsche Sprachforschung; Jahrbuch über die Fortschritte der Mathematik; Jahrbücher für Wissenschaftliche Botanik; Jahresbericht der Deutschen Mathematiker Vereinigung; Jahresbericht für Literaturgeschichte; Jahresbericht über die Erscheinungen auf dem Gebiete der Germanischen Philologie; Jahresbericht über die Fortschritte der Chemie; Jahresbericht über die Fortschritte der Klassischen Alterthumswissenschaft; Jahresverzeichniss der an den Deutschen Schulanstalten Erschienenen Abhandlungen; Jahresverzeichniss der an den Deutschen Universitäten Erschienenen Schriften; \*Johns Hopkins University Circulars; Johns Hopkins University Studies; Journal de Mathématiques; Journal de Physiologie; Journal de Physique; Journal für die Reine und Angewandte Mathematik; Journal of Geography; Journal für Praktische Chemie; Journal für Psychologie; Journal of American Folklore; Journal of Biblical Literature; Journal of Experimental Zoology; Journal of Germanic Philology; Journal of Hellenic Studies; Journal of Pedagogy; Journal of Philology; Journal of Physiology; Journal of Political Economy; \*Journal of the Academy of Natural Sciences; Journal of the Chemical Society; Journal of the Royal Microscopical Society; Journal of the Royal Statistical Society; Journal of the Society for Psychical Research; \*Kansas University Science Bulletin; Korrespondenzblatt des Vereins für Niederdeutsche Sprachforschung; Kritischer Jahresbericht über die Fortschritte der Romanischen Philologie; Leipziger Studien; Library Journal; Literarisches Centralblatt; \*Literary Era; \*Literary News; \*Literary World; Literaturblatt für Germanische und Romanische Philologie; Le Maître Phonétique; Mathematische Annalen; Mercure de France; Messenger of Mathematics; Mind; Mind and Body; Mineralogical Magazine; Mineralogische und Petrographische Mittheilungen; Mittheilungen aus dem Gebiete der Englischen Sprache und Literatur; Mittheilungen aus der zoologischen Station zu Neapel; Mittheilungen des Kaiserlichen Deutschen Archäologischen



Instituts; Mnemosyne; Modern Language Notes; Modern Language Review; Modern Philology; Monatshefte für Chemie; Monist; Monthly Review; \*Monthly Weather Review; Le Musée Belge; Nachrichten von der Königlichen Gesellschaft der Wissenschaften; Nation; Nature; Neue Deutsche Rundschau; Neue Jahrbücher für Philologie und Pädagogik; Neues Jahrbuch für Mineralogie, Geologie, und Paläontologie; New York Evening Post; \*New York Latin Leaflet; New York Times; New York Tribune; Nineteenth Century; North American Review; Nuova Antologia; \*Oberlin College Bulletins; \*Ohio Bulletin of Charities and Corrections; \*Open Shop; Outlook; Palæstra; Pedagogical Seminary; Pennsylvania Magazine; Philadelphia Public Ledger; Philologische Untersuchungen; Philologus; Philosophical Magazine; Philosophical Review; Philosophische Studien; Poet Lore; Political Science Quarterly; Popular Science Monthly; Preussische Jahrbücher; \*Proceedings of the Academy of Natural Sciences; \*Proceedings of the American Philosophical Society; \*Proceedings of the Association of Colleges and Preparatory Schools of the Middle States and Maryland; Proceedings of the London Mathematical Society; \*Proceedings of the Michigan Schoolmasters' Club; Proceedings of the Royal Society; Proceedings of the Society for Psychical Research; Proceedings of the Society of Biblical Archæology; Psychological Review; Psychologische Arbeiten; Publications of the American Academy of Political and Social Science; Publications of the American Economic Association; Publications of the American Historical Association; \*Publications of the American Jewish Historical Society; Publications of the American Statistical Association; \*Publications of the Association of Collegiate Alumnae; Publications of the Modern Language Association; \*Publications of the Philippine Information Society; \*Publications of the University of Pennsylvania; Publisher's Weekly; Punch; Putnam's Monthly; Quarterly Journal of Economics; Quarterly Journal of Mathematics; Quarterly Journal of Microscopical Science; Quarterly Journal of the Geological Society; Quarterly Review; Quellen und Forschungen; Rassegna Bibliografica; Readers' Guide to Periodical Literature; Recueil de Traux Relatifs à la Philologie; Rendiconti del Circolo Matematico di Palermo; Review of Education; Review of Reviews; Revista Critica; Revista de Archivos; Revue Biblique; Revue Celtique; Revue Critique; Revue d'Histoire Littéraire de la France; Revue de l'Hypnotisme; Revue de Métaphysique; Revue de Paris; Revue de Philologie; Revue des Deux Mondes; Revue des Etudes Grecques; Revue des Etudes Rabelaisiennes; Revue Germanique; Revue des Questions Historiques; Revue Economique Internationale; Revue Hispanique; Revue Historique; Revue Internationale de l'Enseignement Supérieure; Revue Philosophique; Revue Politique; Revue Universitaire; Rheinisches Museum für Philologie; Rivista di Filologia; Romania; Romanische Forschungen; Romanische Studien; Saturday Review; Schriften der Goethe-Gesellschaft; Science; Scottish Text Society Publications; Scribner's Magazine; \*Sound Currency; \*Southern Workman; Spectator; \*Spirit of Missions; Studi Italiani di Filologia Classica; Studies in History, Economics, and Public Law; \*Sunday-School Times; \*Teachers' Sanitary Bulletin; \*Technology Review; Toronto University Studies; Transactions of American Philological Association; Transactions of the American Mathematical Society; Translations and Reprints from Original Sources of European History; Der Türmer; \*University of Chicago Record; University of Missouri Studies; \*Vanderbilt University Quarterly; Westminster Review; Wochenschrift für Klassische Philologie; Wöchentliches Verzeichniss des Deutschen Buchhandels; World's Work; Yale Review; Zeitschrift des Deutschen Palästinavereins; Zeitschrift für Agyptische Sprache; Zeitschrift für Anorganische Chemie; Zeitschrift für Assyriologie; Zeitschrift für das Gymnasialwesen; Zeitschrift für den Deutschen Unterricht; Zeitschrift für Deutsche Philologie; Zeitschrift für Deutsche Wortforschung; Zeitschrift für Deutsches Alterthum; Zeitschrift für die Oesterreichischen Gymnasien; Zeitschrift für Electro-Chemie; Zeitschrift für Französische Sprache; Zeitschrift für Mathematik und Physik; Zeitschrift für Physikalische Chemie; Zeitschrift für Psychologie; Zeitschrift für Romanische Philologie; Zeitschrift für Socialwissenschaft; Zeitschrift für Vergleichende Literaturgeschichte; Zeitschrift für Vergleichende Sprachforschung; Zeitschrift für Wissenschaftliche Zoologie; Zoologischer Anzeiger.

The library is open daily from eight A.M. to ten P.M. Books may be taken out by the students unless specially reserved for library reference use.

There are in Philadelphia the following important libraries which are available for students:

The *Philadelphia Library*, which contains about 220,145 volumes and 39,500 pamphlets, and is at all times open to the students for consultation. Private subscription, for four volumes, \$12 a year, or \$10 for nine months.

The *Mercantile Library*, which contains about 190,000 volumes and 10,000 pamphlets. Private subscription, \$2.00 a year for two separate works at a time.

The *Library of the Academy of Natural Sciences*, which contains about 57,950 volumes. The Council of the Academy has generously conceded the use of its library and of its museum to the students of Bryn Mawr College.

The *Library of the University of Pennsylvania*, which contains about 265,000 volumes and 50,000 pamphlets. The custodians of this library have always shown great courtesy in placing rare volumes at the disposal of the college.

The *Free Library of Philadelphia*, which contains about 277,000 volumes and 10,000 pamphlets, and is at all times open to the students for consultation.

### Sanskrit and Comparative Philology.

The instruction in this department is under the direction of Dr. Hermann Collitz, Professor of Comparative Philology and German.

#### GRADUATE COURSES.

Dr. Collitz offers in 1906-07 the following graduate courses:\*

Lectures on Comparative Philology, and Philological Seminary.

*Two hours a week throughout the year.*

Students entering this course are expected to be familiar with German and French. A short preliminary course in Sanskrit is also of great aid to the student. The lectures on comparative philology treat of the connection of the Greek and Latin languages with the related languages of the Aryan group, first, phonetically, secondly, from the point of view of grammatical forms, and lastly, from the point of view of syntax. In the first part of the course, which covers what during the last few years has been the

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\* These courses will be offered in 1907-08 by a professor whose name will be announced later.

field of the most active research, the student is introduced to the latest theories and discoveries in Aryan phonetics, and is expected to read and criticise the articles appearing from time to time in the philological journals, and to prepare reports on these articles. The same method is pursued during the investigation of the history of forms; and in the third part of the course the student begins the study of comparative syntax by a close comparison of the use of cases and verbal forms in Sanskrit, Greek, and Latin.

Elementary Sanskrit.

*Two hours a week throughout the year.*

Whitney's *Grammar* and Lanman's *Reader* are used.

The courses in Comparative Philology and in Elementary Sanskrit will not, as a rule be given in the same year.

Advanced Sanskrit.

*One hour a week throughout the year.*

In this course selections from the Rig-Veda are read.

Iranian.

*One hour a week throughout the year.*

This course is intended mainly as an introduction to the study of the Avesta. In order to study Iranian, students must be familiar with Sanskrit.

## Greek.

The instruction in this department is under the direction of Dr. Henry Nevill Sanders, Professor of Greek; Dr. Wilmer Cave Wright, Lecturer and Associate Professor (elect) in Greek; Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages, Dr. Caroline Louise Ransom, Associate in the History of Art and Classical Archæology, and Miss Abby Kirk, Reader in Greek.

Exceptional facilities for the study of all departments of classical philology are offered by the large classical library owned by the College. The greater part of this library is formed by the well-known collection of the late Professor Hermann Sauppe, of Göttingen, which was acquired in 1894. This has been supplemented by purchases made by the college library, so that the classical library now numbers some seven thousand volumes, including complete sets of most of the important journals, and about seven thousand dissertations and monographs.

## GRADUATE COURSES.

The graduate courses in Greek are varied from year to year in two series, Attic Tragedy, Orators, and Historians, and the Homeric Question, Plato and Aristophanes, in order that they may be pursued by a student for consecutive years. In and after 1907-08 students electing the Greek seminary are required to take also the two hour course given in the same year. Three five hour courses are required of students who offer Greek as a major subject in the examination for the degree of Doctor of Philosophy; two five hour courses are required when Greek is the only minor subject offered, and one five hour course when two minors are offered. The post-major

courses also are open to graduate students. A large part of the work expected of graduate students consists of courses of reading pursued under the direction of the department; and reports of this reading are from time to time required of the students. The course in comparative philology conducted by Dr. Collitz is recommended to graduate students of Greek. For graduate courses in History of Art and Classical Archaeology, which may be offered as a minor by students taking Greek as a subject for the degree of Doctor of Philosophy, see pages 87 to 88.

No undergraduates are admitted to graduate courses.

Dr. Sanders conducts in each year the following graduate seminary:

#### Greek Seminary.

*Three hours a week throughout the year.*

In 1906-07 Greek orators are studied in the seminary. The work consists of the reading of large portions of all the orators and the critical interpretation of a selected part of each. Lectures are given on legal antiquities, the syntax, and the style of the various authors, in conjunction with which Dionysius of Halicarnassus and the Greek Rhetoricians are studied. The later rhetoricians are treated and their criticism of antiquity investigated. Students are expected to provide themselves with the Teubner text editions of Antiphon, Andocides, Lysias, Isocrates, Isæus, Æschines, Hyperides and Demosthenes. The classical library is well equipped with works on the orators. In 1906-07 the Greek Seminary met for four hours a week.

In 1907-08 the main subject of the seminary will be the Greek Historians. Thucydides is studied in detail and reports are made on data of history contained in Greek literature in general. Lectures are given by the instructor on subjects connected with Greek historiography, such as the composition of Thucydides's history, the syntax and style of Thucydides, the history of early prose, Greek historical inscriptions.

In 1908-09 the subject of the seminary will be Attic Tragedy. One hour a week is devoted to the reading of general and critical papers on selected passages of Æschylus by members of the seminary. One hour is devoted to the interpretation of Aristotle's *Poetics* and the application of his theories to the drama. A third hour is occupied in reading and criticising papers and recording and analysing current classical literature, especially that bearing on ancient tragedy. Reports on journals are also made at these meetings.

Dr. Wright offers in 1907-08 the following graduate course:

#### Plato.

*Two hours a week throughout the year*

The work is mainly literary and critical. Lectures on the style, philosophy, and chronology of the dialogues are given by the instructor; a detailed interpretation of a portion of Plato, and reports on topics set for discussion are given by the class. The students are expected to read the *Theætetus*, *Parmenides*, and *Sophist* and discuss certain problems arising from these dialogues. The aim of the course is to lay a foundation for independent work by familiarising the students with the achievements of German scholarship and the general field of Platonic literature up to the present day. Analyses of German and Latin dissertations are expected from the class. Lutoslawski's *Origin and Growth of Plato's Logic* is studied and criticised in detail.

Dr. Wright offers in 1908-09 the following graduate course:

#### Aristophanes.

*Two hours a week throughout the year.*

The aim of the course is to make the students familiar with the more important Aristophanic literature up to the present day. Portions of the text are interpreted by



the class and reports on assigned topics, literary, historical, and archaeological, connected with the plays are expected from all the members. All the comedies of Aristophanes are read in the course of the year; lectures are given by the instructor on the metres and syntax of Aristophanes, on the dramatic structure of the plays and on the history of Attic comedy. Part of the work consists of analyses of Latin and German dissertations on Aristophanes which are presented by members of the class.

Dr. Wright offers in 1909-10 the following graduate course:

The Homeric Question.

*Two hours a week throughout the year.*

This course will consist of a review of the discussions of the Homeric poems since the publication of Wolf's *Prolegomena*. The various tests that have been applied to the poems by archaeologists, linguists, historians of myths, and æsthetic critics will be taken up and criticised in detail. A reading knowledge of German is essential.

#### POST-MAJOR COURSES.

Dr. Sanders offers in 1906-07 the following post-major courses, open to graduate students:

Æschylus, *Oresteia*.

*Two hours a week during the first semester.*

Aristophanes, *Acharnians*, *Knights*.

*One hour a week during the first semester.*

Pindar.

*Two hours a week during the second semester.*

Sophocles, *Electra*.

*One hour a week during the second semester.*

Dr. Sanders offers in 1907-08 the following post-major courses, open to graduate students:

Private Orations of the Attic Orators.

*Two hours a week during the first semester.*

Sophocles, *Antigone*.

*One hour a week during the first semester.*

Æschylus, *Agamemnon*.

*Two hours a week during the second semester.*

Aristotle, *Poetics*, and *Nicomachean Ethics* or *Rhetoric*.

*One hour a week during the second semester.*

Dr. Sanders offers in 1908-09 the following post-major courses, open to graduate students:

Lucian.

*Two hours a week during the first semester.*

Sophocles, *Ajax*.

*One hour a week during the first semester.*

Greek Prose Composition, Rhetoric, and the Theory of Imitative Writing.

*One hour a week during the second semester.*

Greek Melic Poets.

*One hour a week during the second semester.*

Euripides, *Heracles*.

*One hour a week during the second semester.*

#### FREE ELECTIVE COURSES.

Free elective courses, amounting to four hours a week, are offered in Classical Art and Archæology; see page 88.

A free elective course of two hours a week is offered in New Testament Greek; see page 78.



## Latin.

The instruction in this department is under the direction of Dr. Arthur Leslie Wheeler, Professor of Latin, and Dr. Tenney Frank, Associate in Latin.

### GRADUATE COURSES.

The graduate work in Latin is conducted according to the seminary method, its object being not only to broaden the student's knowledge, but also to teach methods of work and the handling of materials. The courses cover five hours a week. Three hours each year are devoted to the study of one department of Latin literature or one Latin author. The subject selected varies from year to year (Latin Lyric Poetry, Comedy, Elegy, etc.), so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for several successive years. It is desirable that all students who intend to do advanced work in Latin should have some knowledge of Greek.

No undergraduates are admitted to graduate courses.

Dr. Wheeler conducts in each year the following graduate seminary:

#### Latin Seminary.

*Three hours a week throughout the year.*

In 1906-07 the subject of the seminary is Latin Comedy. All the plays of Plautus and Terence are read by the students: single plays form the basis of special work on the language, text, metres, etc.

Students should provide themselves with the text edition of Plautus, edited by W. M. Lindsay, Oxford, 1903-04, and with Dziatzko's text of Terence, Leipsic, Tauchnitz, 1884. The plays of Plautus, annotated by Brix (Leipsic, Teubner, 1888-1901), and by Lorenz (Berlin, Weidmann, 1876-86), and the plays of Terence, annotated by Dziatzko (revised by Hauler), 1898 and 1903 (Teubner), and by Spengel, 1879 and 1905 (Weidmann), are also recommended.

In 1907-08 Roman Elegy as represented by Tibullus, Propertius, and Ovid will be the subject of the seminary. In addition to a careful study of selected poems an effort will be made to trace the history of elegy among the Romans. The various topics connected with the subject will be treated in detail as far as time permits, and the students will be encouraged to familiarise themselves with the best literature in editions, periodicals, and dissertations. The text recommended is the Oxford Clarendon Press edition of Catullus, Tibullus, and Propertius edited by Ellis, Postgate, and Phillimore, 1906 (one volume).

In 1908-09 Lyric Poetry of the Republic will be the subject of the seminary. The poems of Catullus are studied in detail. Each student is expected to present a paper at least once during the year on some subject connected with the seminary.

Students should provide themselves with *Catulli Carmina*, edited by Robinson Ellis, Oxford, 1904, and with the annotated edition of Catullus by E. T. Merrill, Boston, 1893.

Dr. Frank offers in 1906-07 the following graduate course

#### Roman History from the sources.

*Two hours a week throughout the year.*

The object of this study is to examine in detail the course of events during the last years of the Roman Republic, and to familiarise the student with the sources of historical knowledge for that period. The course will consist largely of research work on the part of the student.

Dr. Frank offers in 1907-08 the following graduate course:

Latin Epigraphy and Palaeography. *Two hours a week throughout the year.*

About two-thirds of the course will be devoted to the study of the *Corpus Inscriptionum*. The questions assigned for investigation deal mainly with Roman political institutions, public and private life, and with historical grammar. Dessau's *Inscriptiones Latinae Selectae* will be used in the class room. The palaeographical facsimiles of Chatelain, Zangemeister and Wattenbach, and Arndt will form the basis for work in the latter part of the course.

Dr. Frank offers in 1908-09 the following graduate course:

Latin Syntax. *Two hours a week throughout the year.*

Dr. Wheeler and Dr. Frank together conduct the Journal Club.

Latin Journal Club. *Two hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

#### POST-MAJOR COURSES.

Dr. Wheeler offers in 1906-07, and again in 1908-09, the following post-major course, open to graduate students:

Roman Elegy: its Origin and Development.

*Three hours a week throughout the year.*

An effort is made to trace historically the development of this branch of poetry among the Romans. Selections from Catullus, Tibullus, Propertius, and Ovid are read. The readings are supplemented by occasional lectures. Special attention is devoted to the structure and reading of the elegiac distich and to the characteristics of Roman poetic diction. Each student is required to prepare a paper on an assigned topic in each semester.

In 1908-09 the course will be given two hours a week.

Dr. Wheeler offers in 1907-08, and again in 1909-10, the following post-major course open to graduate students:

Latin Satire, its Origin and Development.

*Two hours a week throughout the year.*

The subject is treated historically in order to give an outline of the origin and development of Satire. The class reads selections from Horace, Persius, Seneca, Petronius, and Juvenal, together with some of the fragments of Ennius, Lucilius, and Varro. The readings are supplemented by occasional lectures. Each student is required to prepare one paper on an assigned topic in each semester.

Dr. Frank offers in 1906-07, and again in 1908-09, the following post-major courses, open to graduate students:

Roman Epic, Ennius, Vergil, Lucan.

*Three hours a week during the first semester.*

This course consists chiefly of studies in the history of the Roman Epic, and in a rapid reading of the last six books of the *Aeneid*.

Pliny, *Letters*; Martial

*Two hours a week during the first semester.*

Special attention is paid to a study of the political and social conditions of the period included in the course.

Advanced Latin Prose Composition. *One hour a week throughout the year.*

Seneca's works. *Three hours a week during the second semester*

The first half of the semester will be devoted to a study of the *Tragedies* of Seneca. During the remainder of the course a study will be made of representative selections from his prose writings, special attention being given to his philosophical and religious views, and to the literary characteristics of the school of writing which he represents.

Vergil, *Bucolics and Georgics*. *Two hours a week during the second semester.*

Dr. Fränk offers in 1907-08, and again in 1909-10, the following post-major courses, open to graduate students:

Lucretius. *Three hours a week during the first semester.*

The first three books of the *De Rerum Natura* and selections from the fourth, fifth, and sixth books are read. The philosophical bearings of the poem are discussed in lectures by the instructor and papers by the students.

Lectures on Roman History. *Two hours a week during the first semester.*

Collateral reading will be assigned from the Latin sources and independent reports on special topics required.

Advanced Latin Prose Composition. *One hour a week throughout the year.*

Cicero and Cæsar. *Three hours a week during the second semester.*

An effort will be made by means of lectures and discussions and extensive reading to gain an intimate acquaintance with the literary work and the political careers of Cicero and Cæsar.

Catullus, and Horace, *Epistles*. *Two hours a week during the second semester.*

In connection with the reading of Horace's *Ars Poetica* special stress will be laid upon his theories of literary criticism.

## MODERN LANGUAGES.

Professors and instructors: Dr. M. Carey Thomas, Dr. Hermann Collitz, Dr. Fonger DeHaan, M. Lucien Foulet, Dr. Albert Schinz, Miss Lucy Martin Donnelly, Dr. Karl Detlev Jessen, Dr. Clarence Carroll Clark,\* Dr. Carleton Fairchild Brown, Dr. Richard Thayer Holbrook, Dr. Percy Waldron Long, Mr. Samuel Arthur King, Miss Rose Chamberlin, Miss Helen Strong Hoyt, Miss Katharine Fullerton, Dr. Regina Katharine Crandall, Miss Katharine Lord, Dr. Orie Latham Hatcher, and Miss Georgiana Goddard King.

## English.

The instruction in this department is under the direction of Dr. M. Carey Thomas, Professor of English, Miss Lucy Martin Donnelly, Lecturer in English, Dr. Clarence Carroll Clark,\* Associate in English, Dr. Carleton Fairchild Brown, Associate in

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\*Granted leave of absence for the year 1906-07. The courses announced by Dr. Clark are given by Dr. Long in 1906-07.

English Philology, Dr. Percy Waldron Long, Lecturer in English Literature, Mr. Samuel Arthur King, Non-resident Lecturer in Elocution, Miss Helen Strong Hoyt, Miss Katharine Fullerton, Dr. Regina Katharine Crandall, Miss Katharine Lord, Dr. Orie Latham Hatcher, and Miss Georgiana Goddard King, Readers in English, and Miss Bertha Marion Pillsbury, Reader (elect) in English.

#### GRADUATE COURSES.

There are offered each year distinct graduate courses in English literature and in English language, and these courses are varied so as to enable candidates for the degree of Doctor of Philosophy to pursue graduate work for three or more successive years. The graduate courses in literature presuppose at least as much knowledge as is obtained in the two years' course of undergraduate lectures on English literature and in one of the literature years of the English major; and the graduate courses in Anglo-Saxon presuppose as much knowledge of Anglo-Saxon as is obtained in the language year in the English major.

Students who choose English as their chief subject in their examination for the degree of Doctor of Philosophy must have, if they specialise in literature, at least as much knowledge of Anglo-Saxon, and if they specialise in language, at least as much knowledge of literature, as is obtained in the courses required of those students who make English one of the chief subjects of undergraduate study, and must have taken at least the equivalent of the essay work in the required English course.

The graduate instruction in English literature includes the direction of private reading and the assignment of topics for investigation.

No undergraduates are admitted to graduate courses.

Dr. Clark conducts in each year the following graduate seminary:

Seminary in English Literature. *Three hours a week throughout the year.*

In 1906-07 seventeenth century prose writers are studied. The authors usually chosen for discussion are Bacon, Milton, and Hooker.

In 1907-08 the literary movement of the eighteenth century will be studied in connection with Johnson.

In 1908-09 romantic criticism will be the subject of the seminary. The overthrow of eighteenth century standards, and the rise of a new school of criticism is studied in the works of Coleridge, Hazlitt, and Lamb. Though the class meets only three times a week, the time required for reading in connection with the lectures makes the work equivalent to that of a five hour course.

Dr. Brown conducts in each year the following graduate seminary:

Seminary in Middle English. *Three hours a week throughout the year.*

In 1906-07 the beginnings of English Drama are the subject of the seminary. The English mystery plays are studied in the four cycles and in the extant separate



plays with the Towneley group as the basis of comparison. The development of the dramatic elements of the liturgy is followed through the liturgical drama and thence through the mystery plays. The moralities and the secular drama are studied historically up to the time of Heywood. In addition to the reading and discussion of selected plays, lectures are given by the instructor with the object of setting various elements of dramatic development in proper proportion. Critical reports on assigned topics are required from the students.

In 1907-08 Middle English Romances will be studied. After an introductory study of the development of Romance literature in France, the romances of Germanic origin, the Arthurian and the Classical cycles, as represented in Middle English are taken up in the order named. By means of lectures and reports the different groups are studied in relation to their general European development. Careful investigations of various elements in individual romances will be undertaken from time to time by the students.

In 1908-09 the subjects of the seminary are Middle English Grammar and Literature. Students taking the course are expected to have as much knowledge of Anglo-Saxon as is obtained in the language year of the English group. Representative examples of ecclesiastical, courtly, and popular mediæval literature are read with the class. Attention is paid to historical development and dialects. Special topics in the recent criticism of Middle English literature are assigned to the students for report.

Dr. Brown offers in 1906-07 and again in 1908-09 the following graduate course:

#### Beowulf.

*Two hours a week throughout the year.*

This course gives in the first place a general survey of Beowulf criticism, including textual problems, theories as to the composition of the poem, and an enquiry into its historical and mythological elements. In this connection a study is also made of the other pieces of Anglo-Saxon heathen poetry. This course is open to graduate students who have already taken the course in Anglo-Saxon Grammar and reading of Anglo-Saxon Texts, or its equivalent.

Dr. Brown offers in 1907-08 and again in 1908-09 the following graduate courses:

#### Cynewulf and Cædmon.

*Two hours a week throughout the year.*

Several of the poems traditionally ascribed to these authors are critically studied. Lectures are given with a view to furnishing a thorough introduction to Anglo-Saxon Christian poetry and the literary problems connected with it. This course is open to graduate students who have already taken the course in Anglo-Saxon grammar and reading of Anglo-Saxon texts or its equivalent.

#### English Historical Grammar.

*Two hours a week throughout the year.*

In this course the development of the English Language is traced from the earliest times. After an outline has been given of the history and external relations of English, the change and decay of inflections, the use of prepositions and the more important points in historical syntax are discussed. The course presupposes a knowledge of Anglo-Saxon and Middle English.

Dr. Hatcher offers in 1907-08 the following graduate course:

#### Seminary in Elizabethan Drama.

*Two hours a week throughout the year.*

The history, development, sources, types, and later tendencies of the Elizabethan drama are lectured on and studied.

Dr. Clark and Dr. Brown together conduct the journal club.

#### English Journal Club.

*One and a half hours a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

The following advanced undergraduate courses may be attended by graduate students:

Miss Donnelly offers in 1906-07 and again in 1908-09 the following course:

English Poetry from 1780 to 1832. *Two hours a week throughout the year.*

This course consists of a detailed study of the poetry of Cowper, Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, and Keats; special attention is paid to the rise and development of the Romantic movement in English poetry, with occasional reference to similar movements in France and Germany.

Miss Donnelly offers in 1907-08 and again in 1909-10 the following course:

English Drama. *Two hours a week throughout the year.*

This course is intended to give students that have completed the required course in English a more intimate knowledge of the later Elizabethan and the Jacobean drama. The lectures follow the development of the realistic and romantic tendencies in the comedy and tragedy of the period both as an expression of the national life and of the individual genius of the various dramatists. Selected plays of Shakespeare Heywood, Ben Jonson, Beaumont and Fletcher, and other dramatists are read in connection with the lectures.

Dr. Clark offers in each year the following course:

Classical and Romantic Prose. *Three hours a week throughout the year.*

In the first semester the writings of Edmund Burke are considered with special reference to Classicism and Romanticism, and to the ideas of the French revolution. In the second semester the works of Lamb, Hazlitt, and De Quincey are studied.

Dr. Clark offers in each year the following course:

English Critics of the Nineteenth Century. *Three hours a week throughout the year.*

The essayists and critics after 1832 are studied. In the first semester the authors usually chosen are Carlyle, Matthew Arnold, and Newman. Short papers and one long essay must be prepared by the students attending the course. In the second semester Ruskin, Pater, and Mr. Swinburne are discussed.

Dr. Brown offers in each year the following course:

Anglo-Saxon Grammar and reading of Anglo-Saxon Texts. *Two hours a week throughout the year.*

The course begins with an outline of Anglo-Saxon grammar as presented in Bright's *Anglo-Saxon Reader*. Selections in prose and verse from Bright's reader are next read with the class. In the second semester after a brief study of alliterative verse selections from *Beowulf* are read. Throughout the year lectures are given outlining the literature of the period and texts are read in translation.

Dr. Brown offers in 1906-07 the following course:

Critical Reading of Shakespeare. *Three hours a week throughout the year.*

This course is designed to give a careful training in Shakespeare's grammar, diction, and literary development; six plays are read and the sources discussed. The plays

studied are *Othello*, *Henry V*, *Hamlet*, *Winter's Tale*, *Romeo and Juliet*, and *Anthony and Cleopatra*. This course will not be given after 1906-07.

Dr. Brown offers in 1907-08 and again in 1909-10 the following courses:

Middle English Poetry.

*Three hours a week during the first semester.*

The course begins with an outline of Middle English grammar sufficient to enable the students to read ordinary texts intelligently. Selections are then read from Layamon's *Brut*, Robert of Gloucester's *Chronicle*, Barbour's *Bruce*, Richard Rolle's *Robert of Brunne's Handlyng Synne*, Langland's *Vision of Piers the Plowman*, Gower's *Confessio Amantis*, and other pieces of Middle English literature. Lectures are given on the development of the language and literature during this period. The course is designed as an introduction to the course on Chaucer given in the second semester but may be taken independently.

Chaucer.

*Three hours a week during the second semester.*

In this course the best of the *Canterbury Tales* are studied, also the *Legend of Good Women*, *The House of Fame*, and portions of *Troilus and Criseyde*. The lectures discuss Chaucer's sources and literary art, and his relation to the English, French, and Italian literature of his time. Students taking this course are recommended, but not required, to have taken the course in Middle English poetry.

Dr. Brown offers in 1908-09 the following course:

Middle English Romances.

*Three hours a week throughout the year.*

Selected romances are read by the members of the class. The lectures deal with the development of Romance literature in English with special reference to the romances of Germanic origin and the Arthurian cycle.

Miss Donnelly offers in 1906-07 the following free elective course:

English Letter Writers.

*One hour a week throughout the year.*

The more important letter writers of the seventeenth, eighteenth, and nineteenth centuries are studied and special stress is laid on their characters, their relation to their time, and their style. The students are required to write short papers from time to time.

Miss Pillsbury offers in 1907-08 the following free elective courses:

Milton.

*One hour a week throughout the year.*

In this course Milton's *Minor Poems*, the *Areopagitica*, certain books of *Paradise Lost*, and *Samson Agonistes* are studied.

A Literary Study of the King James Version of the Bible.

*Two hours a week throughout the year.*

This course includes a history of the successive English translations of the Bible previous to 1611, and a literary study of the form and characteristics of the different books of the King James Version.

Dr. Clark offers in 1906-07 and again in 1908-09 the following free elective courses:

English Fiction in the Nineteenth Century.

*Two hours a week during the first semester.*

The history of the novel up to the nineteenth century is presented briefly. The novels of Jane Austen and Walter Scott are studied as an introduction to the work of the second semester.

English Fiction in the Nineteenth Century (continued).

*Two hours a week during the second semester.*

The development of fiction is considered in the works of Thackeray, Dickens, Trollope, George Eliot, Mr. George Meredith, and others.

Dr. Clark offers in 1907-08 and again in 1909-10 the following free elective courses:

Victorian Poets.

*Two hours a week during the first semester.*

The works of Tennyson, Arnold, Clough, Fitzgerald, and Landor are studied.

Victorian Poets (continued).

*Two hours a week during the second semester.*

The Pre-Raphaelite movement is considered, and the works of Morris, Rossetti, Swinburne, and Browning are studied.

Dr. Brown offers in 1906-07 and again in 1908-09 the following free elective course:

Early English Drama.

*One hour a week throughout the year.*

The development of the miracles and moralities up to the time of Heywood is considered by means of lectures and discussions. The various national elements which merged in Elizabethan drama are thus traced from their origins. Selections which present linguistic difficulties are read in class.

Dr. Brown offers in 1907-08 and again in 1909-10 the following free elective course:

The English Ballad.

*One hour a week throughout the year.*

The course is designed as an introduction to the study of popular poetry. Selections from the ballad literature of England and Scotland, representative of various types and periods, are read in class. The lectures illustrate the origins and history of the ballad as developed in English and other literatures, together with a study of various imitations of the genuine ballad.

Miss Hoyt offers in 1906-07 and Dr. Crandall in 1907-08 the following free elective course:

Argumentation.

*Two hours a week throughout the year.*

In the first semester the technique of argumentation is studied, and in the second semester the relation between the laws of thought emphasised in the first semester and the ordinary forms of prose composition is established.

Miss Fullerton offers each year the following free elective course:

Descriptive and Narrative Writing.

*Two hours a week throughout the year.*



Lectures are given on the theory and practice of description and on the style and methods of the best modern writers of short stories, both English and French. Students are required to write papers each week.

Miss Fullerton offers in 1906-07 the following free elective course:

Advanced Course in Descriptive Writing.

*Two hours a week throughout the year.*

Various fundamental problems of style are discussed in the lectures with reference both to description and to narration. This course is open only to those students who have taken the course in Descriptive and Narrative Writing.

Mr. King offers in each year the following free elective courses in Elocution:

General Reading of Prose Authors.

*One hour a week throughout the year.*

This course is open only to those students who have attended the required course in Elocution or who have done equivalent work.

Reading of Shakespeare.

*One hour a week throughout the year.*

This course is open only to those students who have taken the course in general reading of prose authors. A special study is made of the principles of correct delivery of blank verse. The needs of those students who intend to teach English Literature, and desire to read Shakespeare to their pupils, are given special attention.

## German.

The instruction in this department is under the direction of Dr. Hermann Collitz, Professor of Comparative Philology and German, Dr. Karl Detlev Jessen, Associate in German Literature, and Miss Rose Chamberlin, Reader in German.

### GRADUATE COURSES.

The graduate courses offered in German philology may be found under the head of General Teutonic Philology.

Graduate work in the history of modern German literature is conducted according to the seminary method. The courses are so varied that they may be followed by graduate students throughout three successive years and cover the work required of students who offer German literature as a major or a minor for the degree of Doctor of Philosophy.

No undergraduates are admitted to graduate courses.

Dr. Jessen conducts in each year the following graduate seminary:

Seminary in German Literature.

*Two hours a week throughout the year.*

Although the seminary meets only two hours a week throughout the year, the amount of reading required makes the course equivalent to five hours a week. It is hoped that the students will become familiar in these courses with the methods of scientific literary criticism and investigation.

In 1906-07 among the subjects studied is Goethe as a lyrical poet.

In 1907-08 Goethe's life and works are the subject of the seminary. Goethe's views on æsthetics and philosophy, translations by and from Goethe, Goethe and romanticism, text criticism applied to selected works, studies of Goethe's style and use of words, and similar subjects are investigated.

In 1908-09 the Romantic School and the *Volkslied* will be studied

Dr. Jessen offers in 1906-07 and again in 1909-10 the following graduate courses:

Goethe's *Weltanschauung*.

*One hour a week during the first semester.*

In this course the philosophy of Goethe is studied with a view to its importance in understanding the currents of thought underlying modern German culture. Its unscholastic character gives it special interest. The students are referred to the writings of Wilhelm Bode, Moritz Heynacher, Hermann Siebeck, and others on the subject.

Germanic Antiquities.

*One hour a week during the second semester.*

This course deals with the study of ethnic conditions and characteristics, the racial and social conditions of the Germanic peoples and the important influences exerted by classical study and the Christian religion. The recent scientific discussions of Comte Gobineau, H. St. Chamberlain, and others have emphasised the importance of the subject. Tacitus's *Germania* will be read with reference to Müllenhoff, *Deutsche Altertumskunde*.

Dr. Jessen offers in 1907-08 the following graduate courses:

German Metrics.

*One hour a week during the first semester.*

This course consists of lectures on *Deutsche Metrik* or *Verslehre*, with an introduction to phonetics, this being an indispensable *Hilfswissenschaft* for the study of German literature.

German Poetics.

*One hour a week during the second semester.*

Lectures will be given on *Deutsche Poetik* and *Stilistik*.

Dr. Jessen offers in 1908-09 the following graduate courses:

German Literary Criticism.

*One hour a week during the first semester.*

The lectures trace the development of literary and æsthetic criticism in Germany from Leibniz to Schiller and Goethe. The course is comparative, and French and English literary criticism will also be considered. Lessing's *Laokoön* and *Hamburgische Dramaturgie* and Schiller's essays on aesthetics are specially studied. The course is open to those students only who have a reading knowledge of French and German.

The German Essay.

*One hour a week during the second semester.*

The history of the essay in German literature is studied and the most eminent German essayists, Schopenhauer, Herman Grimm, Karl Hillebrand, Friedrich Nietzsche, etc., are discussed. The influence of French, English, and American writers, in particular Montaigne, Macaulay, and Emerson, is traced, and incidentally the evolution of modern German prose style is treated.

#### POST-MAJOR COURSES.

Dr. Collitz offers in each year the following post-major course, open to graduate students:

Elementary Middle High German.

*One hour a week throughout the year.*

This course has been arranged primarily for undergraduate students who wish to be able to read the Middle High German classics in the original. A general acquaintance with the history of early German literature, such as may be obtained from the lectures on the history of German literature in the minor course, is presupposed. Wright's *Middle High German Primer* (2nd edition, Oxford, 1899) is used.

Dr. Jessen offers in 1906-07 and again in 1908-09 the following post-major courses, open to graduate students:

German Literature from 1850 to the present time.

*Two hours a week during the first semester.*

The subject of this course is, in the first semester, the *Epigonen-Literatur*. The development of the modern German *Novelle* is discussed and Keller's, Storm's, and C. F. Meyer's works are specially studied. A full account of the poets of the *Münchener Schule* is given, in particular of Richard Wagner, Reuter, Groth, Freytag, Spielhagen, Scheffel, Raabe, Geibel, Heyse, and Schack.

German Literature from 1850 to the present time (continued).

*Two hours a week during the second semester.*

In the second semester among the subjects discussed are the influence of French, Russian, and Scandinavian literatures, especially of the work of Zola and Ibsen on German literature; modern German realism and naturalism as represented by Fontane, Anzengruber, Wildenbruch, Hauptmann, Sudermann, Liliencron, and Rosegger; the increased importance of women in literature, and the work of Marie von Ebner-Eschenbach, Luise von François, Ricarda Huch, Helene Böhlau, Isolde Kurz, Clara Viebig and others; the significance of Nietzsche for German life and literature; Neo-romanticism and *Heimatsdichtung*.

Dr. Jessen offers in 1907-08 and again in 1909-10 the following post-major courses, open to graduate students:

Lectures on the History of German Literature from the Romantic School till 1850.

*Two hours a week during the first semester.*

This course begins with a general study of the principles of philosophy, life, art, and poetry, as represented by the Romantic School, which is followed by lectures on the literary movements, expressed mainly in lyric poetry and in the novel, which supersede the Romantic *Weltanschauung*. The lyrics of the war of liberation, the *Weltschmerz*, and the political revolution: the novel of *Jungdeutschland*; the drama of Heinrich von Kleist; the works of the Schlegels, Tieck, Hölderlin, Jean Paul, Novalis, Uhland, Lenau, Heine, Immermann, Freiligrath, Herwegh, Gutzkow, Mörike, and Gotthelf, are the principal topics discussed.

German Drama in the Nineteenth Century.

*Two hours a week during the second semester.*

The drama of Heinrich von Kleist is studied with special reference to that of the classical period, and to the dramatic efforts of the Romantics. The place of Grillparzer in German literature is defined, as well as the significance of Grabbe and Raimund. This leads to Otto Ludwig and to Friedrich Hebbel, who is the central figure, chronologically as well as in importance, of the German drama during the nineteenth century. The course ends with a review of Anzengruber, Wildenbruch, Sudermann, Hauptmann, and of other modern writers.

Dr. Jessen offers in each year the following post-major course, open to graduate students:

Advanced Critical Reading.

*One hour a week throughout the year.*

The reading is selected from works discussed in the post-major lectures on literature. The students give reports on dramas or novels, the object of the discussion being to trace the characteristics of the author, as shown in his works.

Miss Chamberlin offers in each year the following elective course, open to graduate students:

German Syntax, Advanced Reading, and Composition.

*Two hours a week throughout the year.*

Attention is given in this course to the needs of students wishing to make teaching their profession. Each student is required to lecture to the class at least once during the year.

## GENERAL TEUTONIC PHILOLOGY.

The instruction in this department is under the direction of Dr. Hermann Collitz, Professor of Comparative Philology and German.

Special attention is called to the facilities for the study of comparative Teutonic philology offered by Bryn Mawr College. The English and the German departments together have provided for a complete course in Teutonic philology, comprising both the study of the individual languages (Gothic, Norse, Anglo-Saxon, Old Saxon, Old High German, Middle High German, Platt-Deutsch, etc.) and the study of general comparative philology.

The courses in introduction to the study of Teutonic philology: Gothic and Middle High German grammar (first-year course), are designed for students in their first year of graduate study in Teutonic languages, and the remaining courses for students in their second or third year.

Students intending to elect Teutonic philology are advised to study Greek for at least one year during their undergraduate course.

## GRADUATE COURSES.

Dr. Collitz offers the following graduate courses:

## Introduction to the Study of Teutonic Philology.

*One hour a week throughout the year.*

These lectures deal with the following topics: a discussion of Teutonic in its relation to the cognate Aryan languages; a brief sketch of the single Teutonic languages, accompanied by an account of the chief grammatical and lexicographic works on each; a discussion of the aim and method of historical and comparative grammar, including problems such as those of the relationship of dialects and the consistency of phonetic laws; a brief history of Teutonic philology, and finally the outlines of general phonetics.

## Gothic.

*Two hours a week throughout the year.*

Gothic phonetics and inflection are studied in connection with the elements of comparative Aryan grammar. Wright's *Primer of the Gothic Language* (2nd ed., Oxford, 1899); or Braune's *Gotische Grammatik* (6th ed., Halle, 1905) are used as text-books.

As a thorough knowledge of Gothic is the foundation of the study of historical and comparative Teutonic grammar, every graduate student of Teutonic grammar is advised to take this course as early as possible.

## Middle High German Grammar and reading of Middle High German Texts (first-year course).

*Two hours a week throughout the year.*

This course includes a brief abstract of Middle High German grammar, with special reference to the difference between Middle High German and Modern German, and a study of the most prominent authors in Middle High German. Part of Hartmann's *Armer Heinrich* is read, and is followed by selections from the *Nibelungenlied*, a brief account being given of the "Nibelungenfrage" and of the manuscripts of the *Nibelungenlied*.

Students of Middle High German should be provided with Paul's *Mittelhochd. Grammatik* (6th ed., Halle, 1904), or Michels's *Mittelhochd. Elementarbuch* (Heidelberg, 1900).



This course is required of all students that make German the minor subject in their examination for the degree of Doctor of Philosophy.

The private reading includes the works of the authors treated in the course.

### Old High German.

*Two hours a week throughout the year.*

This course is offered to students acquainted with Gothic and Middle High German, or at least modern German, and includes a practical study of Old High German grammar, and a comparison of the Old High German sounds and forms with those of Middle and Modern High German. Selections are read from Old High German texts, arranged so as to proceed from easy to more difficult pieces, and to illustrate the differences between the old High German dialects.

### Middle High German (second-year course).

*One hour a week throughout the year.*

This course is intended for students that have followed the first year's course in Middle High German. The first semester is devoted to the *Höfisches Epos* (Veldeke, Wolfram, Gottfried von Strassburg, Rudolf von Ems, Conrad von Würzburg), and the second semester to Minnesangs Frühling and Walther von der Vogelweide.

### Old Saxon.

*Two hours a week during the second semester.*

The work presupposes on the part of the students a sufficient knowledge of Gothic, Anglo-Saxon, and Old High German. Holthausen's *Altsächsische Elementarbuch* (Heidelberg, 1899); the *Heliand* (in Sievers's or Heyne's or Behaghel's edition), and Zangemeister-Braune's *Bruchstücke der altsächsischen Bibeldichtung* (Heidelberg, 1894), are used.

### Old Norse.

*Two hours a week during the second semester.*

This course may, by request, be substituted for the course in Old Saxon.

Students entering this course are supposed to be acquainted with Gothic and with Anglo-Saxon or Old High German grammar. In the grammatical part of the course attention is paid to the relation between Gothic and Norse, and to the differences between the East Teutonic and West Teutonic branches. Among the texts read, selections from the younger and the older *Eddas* take a prominent place. The critical reading of songs from the elder *Edda* is supplemented by a discussion of the different views on the structure of the Old Germanic alliterative verse.

The books used are Sweet's *Icelandic Primer* (Oxford, 1886), or Holthausen's *Altisländisches Elementarbuch* (Weimar, 1895), and Hildebrand's *Edda* (2nd edition, Paderborn, 1804), with Gering's *Glossar* (2nd edition, Paderborn, 1896).

Attention is called to the facilities afforded for the study of Old Norse. A considerable portion of the library of the late philologist, Th. Wisén, of Lund, was acquired by Bryn Mawr College, and hence the library is probably as well supplied as any other college library in the United States with Old Norse texts, Norse periodicals, and works on Old Norse language and literature.

### Comparative Teutonic Grammar (First Part).

*One hour a week throughout the year.*

The study of comparative Teutonic philology is recommended to those students only who are acquainted with the single old Teutonic languages, and have studied Gothic, Old High German, Old Saxon, Anglo-Saxon, and Norse. The object of the course is to compare the various old Teutonic languages with each other and with the related Aryan languages,—or in other words (1) to reconstruct the primitive Teutonic language; (2) to point out the characteristic features of primitive Teutonic in distinction from primitive Aryan; (3) to carry down the history of early Teutonic from the period of unity into the early stages of the individual Teutonic languages.

### Teutonic Seminary.

*One hour a week throughout the year.*

This seminary is arranged for the benefit of the most advanced students in Teutonic philology. Its object is to encourage independent work on the part of the students. The exercises consist mainly of the discussion of special topics by the instructor and

the students. The subjects for discussion are announced in advance, and the members of the seminary are expected to study the literature on these subjects, and to make an effort to contribute some additional material, or an independent opinion of their own.

In addition to the above courses, others in Old Frisian, Dutch, Middle Low German, or Modern Low German may be arranged for students that have previously studied Gothic, Old and Middle High German, Anglo-Saxon, and Old Saxon.

## ROMANCE LANGUAGES.

### French.

The instruction in this department is under the direction of M. Lucien Foulet, Professor of French Literature, Dr. Albert Schinz, Associate Professor of French Literature, and Dr. Richard Thayer Holbrook, Associate in French Philology and Italian.

### GRADUATE COURSES.

There are offered each year two distinct graduate courses in French, one in literature and one in language, and these courses are varied so that they may be followed by the graduate student throughout three years.

Graduate students interested in the study of literature will find it to their advantage to attend the lectures on French literature two hours a week throughout the two years of the major course in French.

No undergraduates are admitted to graduate courses.

M. Foulet offers in each year the following graduate seminary:

#### Seminary in French Literature.

*Three hours a week throughout the year.*

In 1906-07, and again in 1909-10 the subject of the seminary is *La 'Matière de Bretagne' et l'épopée courtoise*. The course includes a careful study of the *Lais* of Marie de France, the poems referring to Tristan, the *Romans* of Chrétien de Troie, and selected poems on the Holy Grail; these are studied in connection with the question of their origin in Celtic countries and their later development in France. The different theories that have been proposed as to their origin and evolution are examined and discussed and an attempt is made to determine their relative value.

The subject of the seminary in 1907-08 will be Ronsard and the *Pléiade*, the object being to determine the origin, the extent, and the success of the Renaissance movement in France. The chief works of Ronsard and his successors, especially Du Bellay and Baïf, will be read and discussed.

The subject of the seminary in 1908-09 will be Molière; French Comedy before Molière, Molière's comedies, their Latin, Italian, and French sources, his style and method of composition, the nature of his "comique," his philosophy and his morality will be discussed.

Dr. Schinz offers in 1906-07 and again in 1908-09 the following graduate course:

Victor Hugo as a lyric, epic, and philosophical poet.

*One hour a week throughout the year.*

Among the subjects discussed are: Victor Hugo, the Royalist and Catholic poet; what Victor Hugo owes to Chateaubriand and other contemporaries; Victor Hugo

in relation to Napoleon I, the Republic, Napoleon III; Victor Hugo's social, political, and religious ideas as expressed in his latest poetical works. This course will be given two hours a week in 1908-09.

Dr. Schinz offers in 1907-08 and again in 1909-10 the following graduate course:

**Life and Writings of Rousseau.**

*Two hours a week throughout the year.*

Special attention is devoted to the following points: Rousseau as the father of the Romanticism of the nineteenth century; Rousseau as the first representative of cosmopolitan literature, Joseph Texte's ideas on "*Cosmopolitisme littéraire*;" the personality of Rousseau, a study of his works with special reference to the theories of his insanity.

The course in Old French Philology is intended for students in their first year of graduate study; the Old French Seminary is designed for students in their second or third year of graduate study; the Journal Club may be attended by students in their first, second, or third year of graduate study. The course in Old French Readings is designed to be taken in connection with the seminary in Old French Literature.

Dr. Holbrook offers in each year the following graduate courses:

**Old French Philology.**

*Two hours a week throughout the year.*

This course consists of lectures on the Phonology, Morphology, and Syntax of Old French, and is designed not only for students whose main pursuit is Romance philology, but also for those who wish to acquire more precise knowledge of the French elements in Middle English. The main principles of Historical Grammar will be illustrated by a minute study of the *Extraits de la Chanson de Roland*, published by Gaston Paris, and of various texts in Bartsch and Horning's *Chrestomathie* (Leipsic, 1901). Other books used are Nyrop's *Grammaire Historique de l'Ancien Français* (vol. 1, 1904, and vol. 2, 1903), and Schwan's *Grammaire de l'Ancien Français* (latest French edition).

**Old French Readings.**

*One hour a week throughout the year.*

The purpose of this course is to study from a scientific point of view various typical Old French masterpieces. The essential facts of Old French grammar will be reviewed and all rare or difficult locutions will be minutely studied for the sake of precise interpretation; dialectal features will be considered and attention will be given to the relation of manuscripts to printed texts. In addition to the works named below, students are expected to supply themselves with Gaston Paris's *Littérature française au moyenâge*.

The following courses may be rearranged to suit the needs of students in any particular year.

In 1907-08 Epic and Historical literature will be the subject of the course. The texts required are Stengel's edition of the *Chanson de Roland* (Leipsic, 1900); the *Pèlerinage de Charlemagne* (ed. by Koschwitz, Leipsic, 1900); *Aliscans* (ed. by Wienbeck, Hartnacke and Rasch, Halle, 1903), and the *Extraits des Chroniqueurs Français* (Villehardouin, Joinville, Froissart, Commines), ed. by G. Paris and A. Jeanroy, Paris, 1893.

In 1908-09 Dramatic Literature will be studied. Various mysteries and miracle plays will be critically examined with regard to their origin, construction, language, and versification; but this course will deal mainly with purely mediæval comedy (ca. 1260—ca. 1530). The texts most needed will be Adam de la Hale's *Jeu de la feuillée* (edition of Rambeau, Marburg, 1886, and of Langlois, Paris, 1895); Paul Lacroix's *Recueil* (Paris, 1859), and the facsimile of Guillaume Le Roy's *Patelin* (1486?), printed by Protat frères of Mâcon, France.

In 1909-10 various texts will be read with a view to deriving from them a first-hand

knowledge of every-day life—customs, manners, dress, and habits of thought—in mediæval France. Linguistic features will be examined in accordance with the introductory statement.

#### Old French Seminary.

*Two hours a week throughout the year.*

The work of the seminary is on the most important Old French dialects. Texts in Norman, Picard, French proper and Franco-Provençal are studied with reference to their dialectal features in order that the student may acquire the power to determine approximately the origin of other texts in which the same dialectal features occur.

M. Foulet, Dr. DeHaan, Dr. Schinz and Dr. Holbrook together conduct the Journal Club in Romance Languages.

#### Romance Language Journal Club.

*One and a half hours a fortnight throughout the year.*

The journal club is intended to make the advanced students familiar with all the important European periodicals and with new books dealing with Romance Philology. For each session of the club an important article chosen from some one of the various periodicals is assigned to a student for review. The student is also referred to previous articles or publications treating of the same subject as that of the review, and is expected to present to the club a chronological outline of the history and stages of the discussion on the given point. Thus the students become familiar with the names of leading Romance scholars and with the particular lines of research in which each of the latter excels. At the same time such reviews prepare the way for seminary work and original investigations.

### POST-MAJOR COURSES.

M. Foulet offers in 1906-07 and again in 1909-10 the following post-major course, open to graduate students:

#### The French Novel from Lesage to Flaubert.

*Three hours a week throughout the year.*

The lectures treat of the origin of the modern novel in Lesage and Marivaux, the influence of Rousseau on its further development, the romantic novel of Mme. de Staël, Chateaubriand, Vigny, Hugo, and the realistic novel of Stendhal, Mérimée, and Balzac.

M. Foulet offers in 1907-08 the following post-major course, open to graduate students:

#### The Romantic Drama of the Nineteenth Century.

*Two hours a week throughout the year.*

The lectures deal with the origin and development of the romantic drama in the works of Victor Hugo, Alexandre Dumas père, Alfred de Vigny, and Alfred de Musset. Its renaissance in the latter part of the century in Richepin and Edmond Rostand is then discussed.

M. Foulet offers in 1908-09 the following post-major course, open to graduate students:

#### Origin, Development, and Decline of Realistic Comedy.

*Two hours a week throughout the year.*

The lectures treat of the origin of realistic comedy with Beaumarchais; its period of highest development with Augier, Dumas fils, Pailleron, and Sardou; its decline, the *comédie naturaliste*; new systems and new writers, Jules Lemaitre, and Edmond Rostand.



Dr. Schinz offers in 1906-07 and again in 1908-09 the following post-major course, open to graduate students:

French Lyric Poetry of the Nineteenth Century.

*Two hours a week throughout the year.*

In the first semester the lectures treat lyric poetry until the year 1866. Special attention is paid to the period from 1850 to 1866, while Lamartine, Hugo, Sainte-Beuve, de Vigny, and de Musset are treated only so far as is necessary for the understanding of the evolution of lyric poetry in their successors, Baudelaire, Gautier, de Banville, Leconte de Lisle, etc. The lectures of the second semester treat contemporary lyric poetry from 1866 to 1900. A careful study is made of the Parnassian and Symbolist schools.

Dr. Schinz offers in 1907-08 and again in 1909-10 the following post-major course, open to graduate students:

The Short Story (*Nouvelle*) in the Nineteenth Century.

*Two hours a week throughout the year.*

The *genre nouvelle* is studied in connection with the following writers: Xavier de Maistre, Chateaubriand, Nodier, de Vigny, de Musset, Balzac, Mérimée, Gautier, Laboulaye, Daudet, Bourget, Maupassant, France, Bazin, Rod, Coppée, Loti, Villiers de l'Isle Adam, de Régnier, Paul Adam, Masson Forestier and others.

Dr. Schinz offers in each year the following post-major course, open to graduate students:

Teachers' Course in Advanced French. *One hour a week throughout the year.*

This course is especially intended to give students the practical knowledge of French required for teaching the language. A correct pronunciation will be taught by means of a study of French phonetics, of the comparative value of sounds, of the tonic and oratorical accents, and of the rhythmical language. Classical texts will be analysed as a preparation for exercises in composition and lectures on the principles of French rhetoric will be given.

## Italian.

The instruction in this department is under the direction of Dr. Richard Thayer Holbrook, Associate in French Philology and Italian.

### GRADUATE COURSES.

Dr. Holbrook offers in each year the following graduate courses:

Italian Philology.

*One hour a week throughout the year.*

This course presupposes a knowledge of Old French Philology and the equivalent of the minor and major courses in Italian offered at Bryn Mawr College. The work is founded upon Meyer-Lübke's *Grammatica Storico-Comparata della Lingua Italiana e dei Dialecti Toscani* (Torino, Loescher, 1901). A few pages of the *Decamerone* (Fanfani's edition) will be examined critically, and each word treated with regard to its phonological and morphological aspects.

Old Italian Readings.

*One hour a week throughout the year.*

Students should provide themselves with the first volume of D'Ancona and Bacci's *Manuale della Letteratura Italiana* (Florence, 1904).

M. Foulet, Dr. DeHaan, Dr. Schinz and Dr. Holbrook together conduct the Journal Club in Romance Languages.

Romance Language Journal Club.

*One and a half hours a fortnight throughout the year.*

Dr. Holbrook offers in each year the following undergraduate courses, open to graduate students:

#### FIRST YEAR.

##### Modern Italian.

*Three hours a week throughout the year.*

This course is designed to prepare beginners for the study of Italian literature, as well as for the practical use of the language. Reading is taken up from the start, a careful pronunciation is insisted upon, and the essentials of the grammar are taught by a critical observation of the texts used and by graded exercises in the rendering of English into Italian. The books read are the following, and are taken up in the order indicated: C. H. Grandgent's *Italian Grammar* (Boston, 1905); Bowen's *Italian Reader* and Grandgent's *Italian Composition*; selections from Pellico's *Le mie prigioni* and all his tragedy of *Francesca da Rimini* (Milan, 1906); selections from the verse and prose of Renato Fucini and others; selections from the autobiography of Benvenuto Cellini (Bacci's smaller edition, Florence, 1900), and, if possible, Dante's *Vita Nuova*.

##### Representative Italian Classics in English Translations.

*Two hours a week throughout the year.*

This course deals with typical masterpieces of Italian literature from Dante to Cellini. The author's life, character, and surroundings, his place in literary history, and his translators are discussed.

The works studied are as follows: *Dante and his Circle* (for early lyrics), *Vita Nuova*, most of the *Inferno*, parts of the *Purgatorio* and *Paradiso*; Boccaccio, *Life of Dante* and several tales translated by John Payne and others; Petrarch, selected *Letters*, *Sonnets* and *Triumphs*; Ariosto, *Orlando Furioso*; Tasso, *Jerusalem Delivered*; Castiglione, *The Courtier*; Cellini, *Autobiography*. Students are asked to provide themselves at the beginning of the course with Rossetti's *Dante and his Circle*, Edmund Gardner's *Dante*, Rossetti's *The Early Italian Poets* (ed. by Edmund Gardner, Dent, 1904), and Carey's translation of the *Divine Comedy*. Knowledge of Italian is not required.

#### SECOND YEAR.

##### Italian Classical Literature.

*Three hours a week throughout the year.*

The work in this course is three-fold: first, a brief outline of the rise of Italian literature with special attention to Dante; second, a critical translation of the whole *Inferno* and of selected parts of the *Purgatorio* and *Paradiso*; third, the study and translation of parts of Pulci, *Morgante Maggiore*; Bojardo, *Orlando Innamorato*; Ariosto, *Orlando Furioso*, and Tasso, *Gerusalemme Liberata*. For the third section a study of difficult modern Italian prose and poetry and composition may be substituted. The lectures on literature are delivered in Italian.

#### FREE ELECTIVE COURSE.

##### Italian Influences on English Literature.

*One hour a week throughout the year.*

Lectures are given on the influence of mediæval and modern Italy on various English writers, such as Chaucer, Wyatt, Surrey, Ascham, Shakespeare, Coryat, Milton, Byron, Landor, and George Eliot.

Early in the course each student chooses some theme or author upon which she gives a written report in the second semester. Students taking this course are required to have a reading knowledge of Italian.

## Spanish.

The instruction in this department is under the direction of Dr. Fonger DeHaan, Professor of Spanish.

### GRADUATE COURSES.

Dr. DeHaan offers in each year the following graduate courses:

Lectures in Spanish on Spanish Literary History till the death of Calderon (1681). *One hour a week throughout the year.*

The lectures are supplemented by extensive private reading of important works.

Essays in Spanish. *Two hours a week throughout the year.*

Spanish Philology. *One hour a week throughout the year.*

Old Spanish Readings. *One hour a week throughout the year.*

M. Foulet, Dr. DeHaan, Dr. Schinz and Dr. Holbrook together conduct the Journal Club in Romance Languages.

Romance Language Journal Club.

*One and a half hours a fortnight throughout the year.*

### POST-MAJOR COURSES.

Dr. DeHaan offers in each year the following post-major course, open to graduate students:

Spanish. *Two hours a week throughout the year.*

This course in composition and conversation is offered to those students who have completed the major course.

Dr. DeHaan offers in each year the following undergraduate courses, open to graduate students:

#### FIRST YEAR.

Spanish. *Five hours a week throughout the year.*

The object of this course is to give beginners a good knowledge of modern Spanish, and to ground them thoroughly in the essentials of the grammar. As a preparation for understanding the spoken language, two half-hours a week during the second semester are devoted to dictation. The books studied are the following (taken up in the order indicated): DeHaan's *Cuentos Modernos*; Pérez Nieva, *Tomás el torrero* (Madrid, *Colección Klong*); De Haan's *Selected Works of G. A. Béquér*; Hartzenbusch, *Los Amantes de Teruel* (*Obras*, vol. III.); Zorrilla, *Granada* (Madrid, 1895, 2 vols.).

Private reading: Palacio Valdés, *José*; Galdós, *Marianela*.

#### SECOND YEAR.

Lectures in Spanish on Spanish Literary History of the Nineteenth Century. *Two hours a week throughout the year.*

Spanish Composition. *One hour a week throughout the year.*

Critical Reading in Spanish. *Two hours a week throughout the year.*

Private reading: Private reading supplementing the lectures on literary history comprises representative works in the various branches of literature.

### CELTIC AND SLAVONIC LANGUAGES.

Dr. Hermann Collitz, Professor of Comparative Philology and German, will offer courses in Celtic and Slavonic languages to students of comparative Aryan or of comparative Teutonic philology. Such students will find it of great advantage to gain at least some knowledge of Old Irish and Old Slavonic. Courses will also be arranged for students that prefer to study Lithuanian or any of the more important living Slavonic languages (Russian, Polish, or Servian).

### SEMITIC LANGUAGES AND BIBLICAL LITERATURE.

The instruction in this department is under the direction of Dr. George A. Barton, Professor of Biblical Literature and Semitic Languages.

The college was particularly fortunate in securing in the year 1892 the library of the late M. Arthur Amiaud, of Paris. While M. Amiaud was especially eminent as an Assyriologist, he was also prominent as a general Semitic student. His library was the collection of an active scholar, and forms a working library for the student in every department of Semitic study. It is especially rich in the Hebrew, Syriac, and Assyrian languages, containing several works, indispensable to the student, which are now out of print. Another Semitic library containing many works on the Talmud and on Jewish literature was acquired in 1904. The contents of these two libraries, together with the books already owned by the college and those easily accessible in neighboring libraries, form an exceptionally good collection of material for the specialist in Semitic languages. A good working collection of cuneiform tablets is under the control of the department, and affords an excellent opportunity for students of Assyrian to become familiar with original documents.

### GRADUATE COURSES.

The graduate courses in Semitic languages are varied from year to year, as indicated below, so that they may be pursued by a student for four successive years. As students of Semitic languages, in addition to the work of investigation, must master the elements of a number of dialects for use in Semitic philology, those who offer Semitic languages as the major subject in the examination for the degree of Doctor of Philosophy are required to spend in Semitic work half their time for at least three years.



The work of the department is so arranged that students may specialise in Hebrew or Assyrian. They must offer as subjects in the examination Hebrew, Assyrian, and Arabic, and must possess a knowledge of the grammatical forms of Aramaic and Ethiopic. Students that offer Semitic languages as the minor subject in the examination for the degree of Doctor of Philosophy must show that they have a knowledge of three Semitic languages.

The regular alternation of courses is indicated below and at least five hours a week will be given in each year, the courses being selected according to the needs of the graduate students. Graduate students may enter in any year of the four years' course, as there will be afforded each year an opportunity for graduate students to begin Hebrew, even if such a course should not be announced for the year in question.

No undergraduates are admitted to graduate courses.

Dr. Barton and a Reader in Semitic Languages offer in 1907-08 and in 1908-09 the following first and second year graduate courses in Semitic languages:

#### Elementary Hebrew.

*Three hours a week during the first semester.*

This course comprises a thorough study of the elements of the language, and the interpretation of parts of Genesis and Deuteronomy. It enables students to read ordinary Hebrew at sight.

#### Aramaic, including Syriac and Biblical Aramaic.

*One hour a week throughout the year.*

The first semester is devoted to Syriac. After the forms are learned, which is an easy matter for students acquainted with Hebrew, selections are read from the Syriac versions of the New Testament, from the chronicles of Barhebräus, and from the hymns of Efrem. The second semester is devoted to Jewish Aramaic, which is the dialect of large parts of the books of Daniel and Ezra, as well as of the Targums.

#### Elementary Assyrian.

*Three hours a week during the second semester.*

This course includes a study of the elements of the language, the interpretation of selections from the royal annals, and exercises in writing Assyrian.

#### Hebrew, The Prophets.

*One hour a week throughout the year.*

The text of one or more of the Prophets is critically interpreted, and Hebrew syntax and composition are studied.

#### Semitic Seminary.

*Two hours a week throughout the year.*

For students that specialise in Hebrew the work of the seminary consists of a critical study of one of the following subjects: the Psalter, Job, Canticles, Ecclesiastes, or one of the historical or prophetic books; for those who specialise in Assyrian, a critical study is made of one of the following subjects: old Babylonian texts and the Sumerian problem, administrative records of the temple at Telloh, Assyrio-Babylonian epic and mythological poetry, Assyrio-Babylonian religious and magical texts, Babylonian contracts, or the Laws of Hammurabi.

#### Elementary Arabic.

*Two hours a week throughout the year.*

This course consists of a study of the elements of the language, the interpretation of selections from Brünnow's *Chrestomathia* and from the *Thousand and One Nights*, together with Arabic prose composition.

### Hebrew Literature.

*One hour a week throughout the year.*

This course consists of a study of Old Testament poetry and of the apocalypses, Jewish and Christian.

Dr. Barton offers in 1909-10 the following graduate courses in Semitic languages:

#### THIRD YEAR.

### Assyrian, Historical Texts.

*One hour a week throughout the year.*

This course is devoted to the interpretation of royal annals, both Assyrian and Babylonian.

### Assyrian Literature.

*One hour a week during the first semester.*

Assyrio-Babylonian literature, history, and art are briefly reviewed.

### Arabic Literature.

*One hour a week during the second semester.*

Arabic civilisation and its chief literary products are studied.

### Advanced Arabic.

*One hour a week throughout the year.*

In the first semester portions of the Qur'an are read and in the second semester portions of the Mu'allakât poems are interpreted; special attention is given to syntax. The grammars of Socin and Wright are used.

### Hebrew Literature.

*Two hours a week throughout the year.*

This course is devoted to a study of the Prophets, the Pentateuch and the historical books of the Old Testament.

### Comparative Semitic Grammar.

*One hour a week throughout the year.*

The course is devoted to Semitic phonetics and grammatical forms with a comparison of old Hamitic. In connection with the work selected Egyptian texts are read, to supply the student with Hamitic linguistic material. The first semester is devoted to phonetic material and its laws, the second to the pronoun and the verb.

Dr. Barton offers in 1906-07 the following graduate courses in Semitic languages:

#### FOURTH YEAR.

### Semitic Seminary.

*One hour a week throughout the year.*

One of the subjects of the preceding year is continued for the first semester and the second semester is devoted to comparative Semitic grammar.

### Ethiopic.

*Two hours a week during the first semester.*

The grammar and *Chrestomathia* of Dillmann are used, and in the latter part of the course selections are read from the book of Enoch.

### Semitic Epigraphy (Phœnician, Aramaic, and Sabæan).

*Two hours a week during the second semester.*

The course begins with a study of the Moabite stones the language of which differs only slightly from Hebrew. As the grammatical forms of Phœnician do not greatly differ from those of Hebrew, the Phœnician part of this course is practically a course in Hebrew epigraphy, the Aramaic is practically an extension of the Aramaic course, while the Sabæan is in part a review of Arabic forms. Lizdbarski's *Nordsemitische Epigraphik*, Cooke's *North Semitic Inscriptions*, and Hommel's *Südarabische Chrestomathie* are the text-books used.

### Semitic and Hebrew Religions.

*One hour a week throughout the year.*

In the first semester the fundamental conceptions of the Semites as to gods and men, sin, sacrifice, and atonement are studied; in the second semester the religion of Israel is compared with the Semitic religion, and the preparation for Christianity is traced.

### Comparative Semitic Grammar.

*One hour a week throughout the year.*

The Semitic verb is completed and the noun is studied. Selected Coptic texts are read to gain some variety of Hamitic material.

Dr. Barton offers in 1906-07 and in 1907-08 the following graduate course in Biblical literature:

### New Testament Seminary.

*One hour a week throughout the year.*

This course may be given occasionally as the time of the department permits. Portions of the Greek text of the New Testament are critically interpreted. Students are assisted in familiarising themselves with the facts and theories of textual and historical criticism, or in investigating such problems as their previous training has fitted them to attack.

### FREE ELECTIVE COURSES.

The courses in Biblical Literature and Oriental History are intended primarily for undergraduate students, but may be elected by graduate students also.

Dr. Barton offers in 1906-07 and again in 1908-09 the following free elective courses in Biblical literature:

### History of Christian Doctrine.

*Two hours a week throughout the year.*

In the first semester Christianity is studied as presented by its Founder and by the apostles, and in the second semester the history of Christian doctrine from 100 A. D. to the present time is briefly reviewed, and problems presented by modern thought are touched upon.

### History of the New Testament Canon.

*One hour a week throughout the year.*

This course consists of a study of the New Testament, similar in its methods and aims to the course on the Old Testament Canon.

Dr. Barton offers in 1907-08 and again in 1909-10 the following free elective courses in Biblical literature:

### New Testament Biography.

*Two hours a week throughout the year.*

The first semester of this course is devoted to a careful study of the life and teaching of Christ; the second semester to the life and teaching of St. Paul. The Gospels and Epistles are read, together with the most helpful of the modern works on these topics. The course is illustrated with photographs of the most important places connected with the lives of Christ and St. Paul.

### History of the Old Testament Canon.

*One hour a week throughout the year.*

In this course the history of the composition and collection of the books of the Old Testament is studied. The instruction is given in lectures, and reading is assigned in the Old Testament and in modern literature concerning it.

Dr. Barton offers in each year the following free elective course:

### Oriental History.

*Five hours a week throughout the year.*

This course treats in broad outlines the history and civilisation of the Classical Orient. The beginnings of the Hamito-Semitic race, and the influence of environment upon its

primitive institutions are first studied. The separation of the races into the different nations is then traced, and the history of the principal Oriental nations, Egyptians, Babylonians, Assyrians, Phœnicians, Hebrews, Hittites, Sabæans, and Persians; of Alexander and his successors; of the Parthians, and the oriental empire of the Romans, is followed in outline. Special attention is paid to the history of the Hebrews, and to their unique religious contribution to the civilisation of the world. The course concludes with a study of the Arabic caliphates, and of Mohammedan civilisation. The lectures are illustrated by archaeological specimens and by photographs. Either semester may be elected separately.

Dr. Barton offers in each year, when the time of the department permits, the following free elective courses:

**Biblical Geography and Archæology.** *Two hours a week throughout the year.*

The course begins with a survey of the physical features of Palestine and an estimate of their effect upon its civilisation. The succession of races dominant in Palestine since the beginning of history is then reviewed, after which the positions of the places important in the Biblical narratives are carefully noted. The principal Biblical narratives are studied in connection with the geography of the country and the archæological remains of the period. In this way the narratives of the Patriarchs, Kings, Prophets, and Apostles, as well as the life of Christ, are illustrated. The course is illustrated by photographs. Use is made throughout the course of the publications of the Palestine Exploration Fund, and of other modern explorers.

**New Testament Greek.**

*Two hours a week throughout the year.*

This course presupposes a knowledge of classical Greek. After some introductory lectures on the formation and peculiarities of the New Testament Greek, one hour a week during the first semester is devoted to lectures on the history of the New Testament text, both in its written and in its printed form, the helps extant for emending it, and the method of using them. The remainder of the time is devoted to the interpretation of the New Testament Epistles, especially those of Paul. The students are expected to read privately during the first semester the text of one of the Gospels, and during the second, either the *Acts of the Apostles*, the *Apocalypse*, or the *Epistle to the Hebrews*.

## History.

The instruction in this department is under the direction of Dr. Charles McLean Andrews, Professor of History, Mr. Robert Matteson Johnston, Associate Professor (elect) in History, and Dr. William Roy Smith, Associate in History.

### GRADUATE COURSES.

Eight courses are offered to graduate students in history in addition to the direction of private reading and original research.

No undergraduates are admitted to graduate courses.

Dr. Andrews offers in 1906-07 the following graduate courses:

**Historical Method and Criticism.**

*Two hours a week throughout the year,*

The lectures in this course discuss the great collections of material in Germany, France, Italy, England, and America, the methods employed in treating such material, and historical criticism from the Renaissance to the present time, including the different kinds of evidence and their treatment, critical analysis, aids to evidence, geography, archæology, etc.



## History of the Community in England and America.

*Two hours a week during the first semester.*

This course is a general survey of the history of the primitive community, the manor, vill, town, and parish in England, and the town, parish, hundred, county, and township-county in America.

## The American Colonies in the Seventeenth Century.

*Two hours a week during the second semester.*

This course deals chiefly with the political, constitutional, and social problems affecting the colonies in the seventeenth century.

Mr. Johnston offers in 1907-08 the following graduate courses:

### Historical Method and Criticism. *Two hours a week during the first semester.*

The questions dealt with in this course are the scope of historical work and its relations to allied subjects; the outlines of historical bibliography; the great collections of printed material; archives and MSS.; editing, criticism, and evidence.

### The French Revolution. *Two hours a week during the second semester.*

The work is set chiefly from printed documentary material.

Mr. Johnston offers in 1908-09 two of the following graduate courses:

### The Napoleonic System and Institutions.

*Two hours a week throughout the year.*

The work will be set largely from printed documentary material.

### History of Political Theories. *Two hours a week throughout the year.*

Starting from the theories of the civil lawyers before the period of Christian influence, the course will trace the great conflict for supremacy between politics and religion down to its latest modern phases. The influence of the economic development since the Renaissance will be considered in this relation, and in general a foundation laid for an historical approach to questions of economics and politics.

### Historical Method and Criticism. *Two hours a week throughout the year.*

The course given in 1907-08 will be extended and continued throughout the year.

Dr. Smith offers in 1906-07 and again in 1908-09 the following graduate course:

### The Period of National Development. *Two hours a week throughout the year.*

The object of this course is to discuss in some detail the chief features of American history from the establishment of the national government to the election of President Jackson. Special attention is paid to the formation of the departments of government, the origin and development of political parties, the purchase of Louisiana, the war of 1812, the Monroe Doctrine, and the Panama Congress. The student is instructed in the use of congressional debates and reports, public statutes, supreme court decisions, and such other public documents as are available.

Dr. Smith offers in 1906-07 and again in 1907-08 the following graduate course:

### Seminary in American Politics, the Slavery and Negro Question.

*Three hours a week throughout the year.*

This course begins with a preliminary survey of the history of slavery in the Colonial period. This is followed by a discussion of such topics as the slavery compromises of the

constitution, the growth of slavery in the South, the abolition of the slave trade, the Missouri Compromise, the anti-Slavery movement, nullification, the Mexican War, the Wilmot Proviso, the compromise measures of 1850, the Kansas-Nebraska bill, the Dred Scott decision, the abolition of slavery, and the adoption of the thirteenth, fourteenth, and fifteenth amendments. Special attention is paid to the connection between slavery, territorial expansion, and the development of constitutional theories.

Dr. Smith offers in 1909-10 the following graduate course:

England during the Reign of George the Third.

*Two hours a week throughout the year.*

This course covers the period from the accession of George III. to the downfall of Napoleon. Emphasis is laid upon the development of British colonial policy after 1763, the American revolt, the relations with Ireland leading to the Act of Union, and finally upon the attitude of England during the Revolutionary and Napoleonic eras.

Dr. Andrews and Dr. Smith conduct in 1906-07 and Mr. Johnston and Dr. Smith will conduct in 1907-08 and in each succeeding year the following graduate seminary:

Historical Seminary.

*Two hours once a fortnight throughout the year.*

The seminary is attended by the instructors in the department of history and the graduate students who are pursuing advanced courses in history. At the meetings, which are held once a fortnight, reports are made upon assigned topics, recent articles and books are reviewed, and the results of special investigations presented.

#### POST-MAJOR COURSES.

Dr. Andrews offers in 1906-07 and Mr. Johnston will offer in 1908-09 the following post-major course, open to graduate students:

English Constitutional History to 1485. *Two hours a week throughout the year.*

The text-book used in this course is Stubbs's *Select Charters*. The lectures alternate with the reading and interpretation of selected charters and constitutional documents. Each student is assigned from time to time topics upon which a report is made to the class.

Mr. Johnston offers in 1907-08 and again in 1909-10 the following post-major course, open to graduate students:

Special Topics in Nineteenth Century History.

*Two hours a week throughout the year.*

Incidents and critical periods of nineteenth century history will be studied in detail so as to introduce the student to the use of original sources, and also to give a closer view of political action than can be obtained from general courses. Diplomacy, international law, warfare, the Monroe doctrine, and constitutional questions will be dealt with.

Dr. Smith offers in 1906-07 and again in 1908-09 the following post-major course, open to graduate students:

American Constitutional History, from 1789 to the present time.

*Three hours a week throughout the year.*

The lectures deal with the leading aspects of American constitutional history to the close of the period of reconstruction. The text-books used are MacDonald's *Select*

*Documents of United States History* and *Select Statutes of United States History*, but frequent additional references are given to the leading secondary authorities. To a limited extent use will be made of such documents as are available in the library, and special topics will be assigned for discussion and report.

Dr. Smith offers in 1907-08 and again in 1909-10 the following post-major course, open to graduate students:

English Constitutional History from 1485 to the present time.

*Three hours a week throughout the year.*

The lectures discuss the constitutional features of Tudor absolutism, the influence of the English reformation, the struggle between the crown and parliament for supremacy, the Revolution of 1688-89, the development of the cabinet system, the union with Scotland and Ireland, the American and French Revolutions, the Reform Bills of 1832, 1867, and 1884-85, and the South African question. The text-books used are Prothero's *Select Statutes and other Constitutional Documents*, Gardiner's *Constitutional Documents of the Puritan Revolution*, and Adams and Stephens's *Select Documents of English Constitutional History*.

## Economics and Politics.

The instruction in this department is under the direction of Dr. Henry Raymond Mussey, Associate Professor of Economics and Politics, Mr. Charles Clarence Williamson, Associate (elect) in Political Science, and Miss Marion Parris, Reader (elect) in Political Science.

### GRADUATE COURSES.

In addition to the post-major courses, which may be elected by graduate students, six hours of graduate lectures and seminary work are offered in each year.

No undergraduates are admitted to graduate courses.

Dr. Mussey offers in 1906-07 and Mr. Williamson offers in 1907-08 and in each succeeding year the following graduate seminary:

Economic Seminary.

*Three hours a week throughout the year.*

The methods of instruction in the seminary are designed to guide advanced students in special research work along the lines indicated by the titles of the courses. Some lectures are given but the main attention is devoted to the presentation and criticism of the results of studies made by the students themselves.

In 1906-07 and 1907-08 English economic theory is the subject of study. This study of the classical school first deals with the mercantilists and the eighteenth century writers, investigating briefly the character of economic problems and economic thought before Adam Smith. The conditions of Smith's work, and the direction which he gave to economic speculation are then examined; Ricardo, Malthus, and their critics are studied in the light of contemporary conditions. The reformulation of their doctrines by Mill and Senior, in consequence of further economic development, is discussed, and the work of Cairnes as the last great classical writer is carefully examined. The course concludes with Marshall's attempted reconciliation of the cost of production and utility theories.

In 1908-09 the subject of the seminary will be modern political theory, with special reference to contemporary American conditions and tendencies.

Miss Parris offers in 1907-08 the following graduate course:

Economics and Ethical Theory.

*Two hours a week throughout the year.*

This course is a comparison of economics and ethics designed to show the place of economics among the social sciences and to suggest the reaction upon economic theory of recent advances in associated fields of social study.

Miss Parris offers in 1908-09 the following graduate course:

The Theory of Value.

*Two hours a week throughout the year.*

A critical study of value theories from the time of Adam Smith.

Miss Parris offers in 1909-10 the following graduate course:

Problems of Economic Theory.

*Two hours a week throughout the year.*

A study of important problems of modern theory, illustrating the character of modern theoretical work, and training the student in methods of theoretical investigation.

Dr. Mussey and Miss Parris conduct in each year the economic journal club:

Economic Journal Club.

*Two hours once a fortnight throughout the year.*

At the meetings recent books and articles are reviewed and the results of special investigations presented for discussion, comment, and criticism.

#### POST-MAJOR COURSES.

Dr. Mussey offers in 1906-07 and Mr. Williamson will offer again in 1908-09 the following post-major course, open to graduate students:

Theories of Socialism and Social Reform.

*Two hours a week throughout the year.*

During the first semester the theories of representative nineteenth century radical writers are critically examined. The second semester is devoted to a study of modern social reform movements, with constant attention to the interaction of economic and political forces.

Mr. Williamson offers in 1907-08 the following post-major course, open to graduate students:

Public Finance.

*Three hours a week throughout the year.*

This course begins with a discussion of the nature of public finance, its history and present position in the field of the political and economic sciences. After tracing the development of the public economy, theories of the economic activity of the modern state are examined. This is followed by a discussion of public expenditure, its growth in modern democratic societies, and its social and industrial effects. A rapid survey of the history and theories of taxation serves as an introduction to a special study of the problems of federal, state, and local taxation in the United States, comparisons being made with the leading foreign countries. Attention is also called to the nature and significance of other forms of public revenue. The course concludes with a discussion of the theory of public credit and the policy of national and local governments in regard to public debts.

The lectures are supplemented by assigned readings with frequent written and oral quizzes.



Miss Parris offers in 1907-08 and again in 1909-10 the following post-major course, open to graduate students:

**Modern Economic Theory.**

*Two hours a week throughout the year.*

This course is based on a careful study of Marshall's *Principles of Economics*. It contrasts the results of modern economics with those of the classical political economy.

Miss Parris offers in 1908-09 the following post-major course, open to graduate students:

**Economics and Statistics.**

*Two hours a week throughout the year.*

This course is a study of certain concrete problems capable of quantitative treatment illustrating the use of mathematical and statistical methods in social science.

## Law.

The instruction in this department is under the direction of Dr. Clarence D. Ashley, Dean of the Faculty of Law of New York University, Non-resident Lecturer in Law.

### GRADUATE COURSES.

The undergraduate courses in law may be offered by graduate students whose major subject is history or philosophy as a minor subject for the degree of Doctor of Philosophy.

### MAJOR COURSE.

Dr. Ashley offers in 1906-07 and again in 1908-09 the following courses open to graduate students:

**Torts.**

*Two hours a week throughout the year.*

In this course that class of wrongs which violate an absolute, as distinguished from a correlative, right is discussed. The nature, character, historical development, and classification of torts is considered. The course is conducted mainly by class discussion. The text-book used is Ames's *Cases on Torts*, Vol. I.

**Constitutional Law.**

*One hour a week throughout the year.*

The subject of this course is the Constitution of the United States and its development and construction by judicial decision. This involves an examination and study of the leading decisions of the United States Supreme Court on constitutional questions. The case system of study is adopted, and the course is conducted mainly by class discussion.

Dr. Ashley offers in 1907-08 and again in 1909-10 the following courses, open to graduate students:

**Law of Contract.**

*Two hours a week throughout the year.*

This course treats of the formation and discharge of contract as embraced in the topics of Mutual Assent and Consideration and Conditions. It is conducted by class discussion of cases contained in a collection of selected and condensed cases. A statement of each case, with a critical examination and full discussion of the principles involved, is required. The aim is to train the class in accurate legal thought, and incidentally to impart a thorough knowledge of the principles underlying the subjects covered. For collateral reading reference is made to Langdell's *Summary of the Law of Contract* and other standard authors.

**Theory of Legal Procedure.***One hour a week throughout the year.*

This course treats of the elements of jurisprudence, including the nature, scope, and divisions of law, with the distinctions between contract, tort, and quasi-contract, the nature and classification of rights, and a brief survey of the jurisdiction of common law and equity courts.

**Philosophy.**

The instruction in this department is under the direction of Dr. Theodore de Leo de Laguna, Associate Professor (elect) of Philosophy, Dr. James H. Leuba,\* Professor of Psychology and Education and Director of the Psychological Laboratory, Dr. George W. T. Whitney, Associate in Philosophy, Mr. Clarence Errol Ferree, Lecturer (elect) in Psychology, Miss Clara Jean Weidensall, Demonstrator in Psychology, and Miss Grace Maxwell Fernald, Reader (elect) in Education and Demonstrator in Psychology.

**GRADUATE COURSES.**

In addition to the post-major courses, which may be elected by graduate students, ten hours of graduate lectures and seminary work are offered in each year. The laboratory of experimental psychology is open to graduate students for research work.

No undergraduates are admitted to graduate courses.

Dr. de Laguna conducts in each year the following graduate seminary:

**Ethical Seminary.***Three hours a week throughout the year.*

The subject of the seminary is either a study of one of the chief problems of ethics or a critical examination of some important movement of ethical thought.

In 1907-08 the special subject of the seminary will be English evolutionary ethics.

Dr. Whitney conducts in each year the following graduate seminary:

**Metaphysical Seminary.***Two hours a week throughout the year.*

In 1906-07 the subject of the seminary is an examination of the most important metaphysical theories of the present time. The chief object of this inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1907-08 the subject of the seminary will be a study of modern logic, the works of Mill, Lotze, Bradley, Sigwart, Hobhouse, Dewey, and Bosanquet will be used as a basis.

In 1908-09 the subject of the seminary will be an examination of the more important metaphysical theories of recent times. The chief object of this inquiry is to indicate the fundamental postulates and tacit agreements of contemporary philosophical thought.

In 1909-10 the subject of the seminary is the history of the development of epistemological theory. The works of the great modern philosophers such as Descartes, Spinoza, Leibnitz, Locke, Hume, and Kant are examined and discussed from this point of view.

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\*Granted leave of absence for the year 1907-08. The courses announced by Dr. Leuba will be given by Mr. Ferree in 1907-08.

Dr. de Laguna and Dr. Whitney together conduct in each year the Journal Club.

Philosophical Journal Club. *Two hours once a fortnight throughout the year.*

The advanced students and the instructors meet to report on and discuss recent reviews and critical articles.

Dr. Leuba offers in each year the following graduate course:

Psychological Seminary. *Three hours a week throughout the year.*

The work is conducted mainly according to the seminary method. One or two of the following subjects will be chosen each year; the fundamental principles, and most important results of modern psychology; a comparative study of Wundt, William James, James Ward, Stout, and other psychologists; volkpsychologie; language, myths, customs; attention, apperception, the will; the psychology of religion and of ethics; psychology of the beautiful; psychiatry, insanity, and criminology; animal and child psychology, comparative psychology; the history of psychological theories, beginning with the Greek philosophers.

Dr. Leuba conducts in each year the following graduate seminary and laboratory work:

Psychological Journal Club. *One hour a week throughout the year.*

The graduate students meet once a week to hear reports on the literature of the subject and on the work done in the laboratory.

Laboratory Work.

The laboratory work consists of individual practice and research.

#### POST-MAJOR COURSES.

Dr. Whitney offers in each year the following post-major courses, open to graduate students:

Types of Metaphysical Theory. *Three hours a week throughout the year.*

Each semester is devoted to the examination of some important type of metaphysical theory. After the historical development of the theory under investigation has been traced, its implications and relationships are examined and criticised. The particular subjects selected vary from year to year.

The Philosophy of Kant. *Two hours a week throughout the year.*

This course is devoted to a study of the problems which arise in connection with the Kantian point of view. The *Critique of Pure Reason* forms the basis of the work. Its relation to the rest of Kant's system is discussed in order to indicate the general tendency of the system.

#### Education.

The instruction in this department is under the direction of Dr. James H. Leuba,\* Professor of Psychology and Education, and Director of the Psychological Laboratory, and Miss Grace Maxwell Fernald, Reader (elect) in Education and Demonstrator in Psychology. The instruction offered covers six hours

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\* Granted leave of absence for the year 1907-08.

of lectures a week, in addition to the time devoted to the seminary; it includes two hours a week of free elective work, and four hours a week of graduate work.

It is the purpose of the department to offer to students intending to become teachers an opportunity to obtain a technical preparation sufficient for their profession. Hitherto practical training has been thought necessary for teachers of primary schools only, but similar training is very desirable for teachers in high schools and colleges also. Indeed, it is already becoming increasingly difficult for college graduates without practical and theoretical pedagogical knowledge to secure good positions. In addition to the lectures open to undergraduates, courses will be organised for graduate students only; conducted with special reference to preparation for the headship and superintendence of schools. Education cannot be studied to the best advantage unless an acquaintance with at least the rudiments of psychology is presupposed. The elementary experimental course in psychology is therefore earnestly recommended to all students of education.

#### GRADUATE COURSES.

Graduate students are recommended to follow the work offered in the undergraduate course mentioned below.

No undergraduates are admitted to graduate courses.

Dr. Leuba offers in each year the following graduate courses:

The Methods and Principles of Teaching. *One hour a week throughout the year.*

This course is open only to graduate students who have already taught or to those who take the practice work announced below.

The Psychology of Mental and Bodily Growth with reference to Education. *One hour a week throughout the year.*

A knowledge of elementary psychology is assumed in this course.

Lectures upon school-hygiene; physical training; organisation of education in the United States and in Europe; the training of teachers, etc.

*Two hours a week throughout the year.*

#### FREE ELECTIVE COURSE.

Dr Leuba\* offers in each year the following free elective course, open to graduate students:

Education.

*Two hours a week throughout the year.*

This course deals with the great educators and their systems considered with reference to modern educational methods and the problems of to-day.

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\* In 1907-08 this course will be given by Miss Fernald.



## History of Art and Classical Archæology.

The instruction in this department is under the direction of Dr. Caroline Louise Ransom, Associate in the History of Art and Classical Archæology.

An archæological seminary of two hours a week throughout the year is offered to graduate students who have done elementary archæological work, and also a Journal Club meeting one hour a week.

The undergraduate work is divided into courses of three hours a week, and one or two hours a week, and these change from year to year so that every student has an opportunity, during the course of four years, of taking each undergraduate course offered in the department. The courses in Greek and Roman Sculpture, in Early Christian, Mediæval and Renaissance Architecture and Sculpture, and the History of Painting are designed to give an outline of the art of Europe. Students wishing a more complete introduction to the history of art are advised to elect also the courses in Egyptian Art and in Greek and Roman Architecture. Additional courses in classical art and archæology are offered for students of Greek and Latin wishing to study classical antiquities, and are open to any student desiring to prepare herself for archæological work.

In addition to the graduate courses announced, other courses will be provided as need for them arises, and individual students will be directed in special work by means of private conferences.

### GRADUATE COURSES.

Two courses are offered to graduate students in addition to the elective courses which are open also to undergraduate students; other courses will be added if a demand should arise. A reading knowledge of French and German is indispensable for graduate work in art and archæology.

No undergraduates are admitted to graduate courses.

Dr. Ransom offers in each year the following graduate seminary:

#### Archæological Seminary.

*Two hours a week throughout the year.*

This course is open only to graduate students who have had some previous training in classical archæology. Special work in sculpture, coins, or vases will be arranged according to the needs of the students.

Dr. Ransom conducts the journal club in each year:

Archæological Journal Club.

*One hour a week throughout the year.*

The graduate students and the instructor meet for the presentation and discussion of topics of current archæological literature.

#### FREE ELECTIVE COURSES.

Dr. Ransom offers in 1906-07 the following free elective courses, open to graduate students:

Early Christian, Mediæval, and Renaissance Architecture and Sculpture.

*Three hours a week throughout the year.*

Greek and Roman Vases.

*Two hours a week during the first semester.*

This course begins with Attic black-figured ware. A good collection of material for illustration is in the possession of the department.

Greek and Roman Architecture. *Two hours a week during the second semester.*

The principles and history of Doric and Ionic architecture are considered, and one important building is studied in detail by each student. The houses of Priene and Pompeii are then carefully studied.

Greek Myths.

*One hour a week throughout the year.*

During the first semester the representations in Greek Art of certain of the gods are considered. The second semester is devoted to Heracles, Theseus, and other Greek heroes.

Dr. Ransom offers in 1907-08 the following free elective courses, open to graduate students:

A Survey of the History of Painting. *Three hours a week throughout the year.*

Greek and Roman Industrial Arts (exclusive of vase-painting).

*One hour a week throughout the year.*

In the first semester terra-cottas, small bronzes, gold and silver vessels, and jewelry are studied. In the second semester glass, work in wood, ivory and other materials, and coins and gems are treated.

Dr. Ransom offers in 1908-09 the following free elective courses, open to graduate students:

Greek and Roman Art.

*Three hours a week throughout the year.*

In the first semester the Archaic and Transitional Periods are covered, and sculptures of the time of Phidias are discussed. The study of the great age of Greek sculpture continues through the second semester until the Easter vacation. After this the remaining weeks are devoted to Hellenistic and Roman sculpture.

Greek Vase Painting.

*Two hours a week throughout the year.*

Dr. Ransom offers in 1909-10 the following free elective courses open to graduate students:

Early Christian and Mediæval Art.

*Three hours a week throughout the year.*

**Egyptian Art.***Two hours a week throughout the year.*

The architecture, sculpture, pottery, and other material remains of ancient Egypt are considered beginning with the prehistoric period and continuing to the time of the Roman supremacy in Egypt. Special attention is given to subjects bearing on the art of Greece.

**Mathematics.**

The instruction in this department is under the direction of Dr. Charlotte Angas Scott, Professor of Mathematics, Mr. Joseph Edmund Wright, Associate Professor of Mathematics, and Dr. Isabel Maddison, Associate in Mathematics.

**GRADUATE COURSES.**

The graduate courses consist of lectures and seminary work, supplemented by private reading under the direction of the instructors, the courses being arranged each year with reference to the wishes and degree of preparation of the students concerned.

No undergraduates are admitted to graduate courses.

Dr. Scott offers in 1906-07 the following graduate course:

Linear Systems of Curves, Intersections of Curves, and Geometry on a Curve.

*Two hours a week throughout the year.*

A general elementary knowledge of properties of curves is desirable for students taking this course.

Dr. Scott offers in 1907-08 the following graduate course:

Plane Algebraic Curves and Systems of Curves.

*Two hours a week throughout the year.*

This course will probably include a treatment of Rational, Elliptic, and Hyperelliptic curves. The course in Algebraic Invariants may be substituted if it seems desirable.

Dr. Scott offers in 1908-09 the following graduate course:

Theory of Algebraic Invariants.

*Two hours a week throughout the year.*

In this course binary and ternary forms are considered by means of Aronhold's symbolic notation. During the first semester the work is purely algebraic, during the second semester more attention is paid to the geometrical applications. A general knowledge of plane algebraic curves is necessary for students taking this course.

Mr. Wright offers in 1906-07 the following graduate course:

Elliptic Functions.

*Two hours a week throughout the year.*

A knowledge of the elementary properties of elliptic functions is presupposed; the properties of the theta functions are considered and some time is spent on the transformation theory. In the latter portion of the course the properties of modular functions are discussed.

Mr. Wright offers in 1907-08 the following graduate course:

Differential Geometry.

*Two hours a week throughout the year.*

An account will be given of the general differential properties of curves and surfaces.

Dr. Scott and Mr. Wright together conduct the journal club.

Mathematical Journal Club.

*One hour a fortnight throughout the year.*

The journal club holds fortnightly meetings at which reports on special topics or memoirs are presented by the instructors and the graduate students.

#### POST-MAJOR COURSES.

The post-major courses in mathematics are designed to bridge over the interval between the ordinary undergraduate studies and advanced work. They deal, therefore, with the subjects of the major course, carried to higher developments and treated by higher methods. As the order of mathematical studies differs in different colleges, graduate students frequently find it advisable to devote a part of their time to these courses. Regular written work is expected from all mathematical students, and a reading knowledge of French and German is presupposed.

The post-major courses in any one year amount to five hours a week. The courses given are the following, with occasional modifications:

I. (a.) Lectures Introductory to Modern Analytical Geometry, in connection with Salmon's *Conic Sections* and Scott's *Modern Analytical Geometry*, Dr. Scott.

or, I. (b.) Lectures on Modern Pure Geometry, Dr. Scott.

or, I. (c.) Lectures on Special Topics in Geometry, such as Homogeneous Coordinates, Circular Coordinates, Families of Curves, Certain Transcendental Curves, Geometrical Transformations, etc., Dr. Scott.

Special permission to take this course before completing the two years of the major course may be granted to students whose work in the major course has shown that they are able to profit by the lectures.

II. (a.) Lectures Introductory to Modern Algebra, in connection with Salmon's *Modern Higher Algebra*, and Elliott's *Algebra of Quantics*, Mr. Wright.

or, II. (b.) Lectures preparatory to the Theory of Functions, in connection with Harkness and Morley's *Introduction to the Theory of Analytic Functions* and Chrystal's *Algebra*, Vol. II, Mr. Wright.

or, II. (c.) Lectures on Differential Equations, ordinary and partial, Mr. Wright.

or, II. (d.) A general course in Analysis, dealing with the higher development of subjects only touched upon in the major course, such as Determinants, Fourier's Series, Infinite Series, Definite Integrals, etc., Mr. Wright.

III. (a.) Lectures on Analytical Geometry of Three Dimensions, Dr. Maddison.



or, III. (b.) A practical course in Differential Equations, Dr. Maddison.  
 or, III. (c.) Lectures on the Theory of Envelopes, Dr. Maddison.

In 1906-07 the following post-major courses are offered:

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|-------------------------|--|
| I. (c.) Dr. Scott.      | <i>Two hours a week throughout the year.</i> |
| II. (d.) Mr. Wright.    | <i>Two hours a week throughout the year.</i> |
| III. (a.) Dr. Maddison. | <i>One hour a week throughout the year.</i>  |

In 1907-08 the following post-major courses will be offered:

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|-------------------------|---|
| I. (a.) Dr. Scott.      | <i>Two hours a week throughout the year.</i>        |
| II. (b.) Mr. Wright.    | <i>Two hours a week during the first semester.</i>  |
| II. (c.) Mr. Wright.    | <i>Two hours a week during the second semester.</i> |
| III. (a.) Dr. Maddison. | <i>One hour a week throughout the year.</i>         |

In 1908-09 the following post-major courses are offered:

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|-------------------------|--|
| I. (b.) Dr. Scott.      | <i>Two hours a week throughout the year.</i> |
| II. (d.) Mr. Wright.    | <i>Two hours a week throughout the year.</i> |
| III. (c.) Dr. Maddison. | <i>One hour a week throughout the year.</i>  |

#### FREE ELECTIVE COURSES.

Dr. Scott offers in 1906-07 and again in 1908-09 the following free elective course, open to graduate students:

Geometrical Conics.	<i>Two hours a week during the second semester.</i>
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Dr. Scott offers in 1907-08 and again in 1909-10 the following free elective course, open to graduate students:

Fundamental Theorems of Algebra and Geometry.

*One hour a week throughout the year.*

This course is offered in alternate years. Certain standard problems of historical interest are considered in order to elucidate some of the fundamental principles of mathematics. Either semester may be taken separately. No knowledge of mathematics beyond the requirements for matriculation is presupposed. It is hoped that the work will prove useful to those intending to teach elementary mathematics.

#### SCIENCE.

##### Physics, Chemistry, Geology, Biology.

Professors and instructors: Dr. Joseph W. Warren, Dr. Elmer P. Kohler, Dr. Florence Bascom,\* Dr. David Wilbur Horn, Dr. William B. Huff, Dr. Benjamin Le Roy Miller, Dr. David Hilt Tennent, Dr. Nettie Maria Stevens, Dr. James Barnes, Dr.

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\*Granted leave of absence for the year 1906-07.

Harriet Randolph, Dr. Frances Lowater,\* Miss Gertrude Langden Heritage, and Miss Helen Schaeffer.

In January, 1893, the Trustees opened Dalton Hall, a large building, containing ample laboratories, lecture-rooms, research-rooms, special libraries, and professors' rooms for the work of the scientific departments. The chemical, geological, biological, and physical laboratories and the laboratory for experimental psychology are open for students from nine to six daily.

The chemical department includes a lecture-room, a large laboratory for the first-year students, and several smaller ones for advanced and special work, a special room for Physical Chemistry, preparation and balance rooms, and a chemical library. The supply of apparatus and chemicals has been carefully selected for the purpose of instruction and research, and is increasing from year to year. The chemical library contains, besides necessary treatises and reference books, complete sets of the most important chemical journals.

The biological laboratories are equipped with the best (Zeiss) microscopes, microtomes, etc., and are supplied with apparatus for the study of experimental physiology.

The physical laboratories are carefully furnished with the apparatus necessary for thorough work.

Graduate work in the natural sciences is highly special, and consists of laboratory work, private reading, and special investigations pursued by the student under the guidance of the instructors.

### Physics.

The instruction in this department is under the direction of Dr. William B. Huff, Associate Professor of Physics, Dr. James Barnes, Associate in Physics, Dr. Frances Lowater,\* and Miss Helen Schaeffer, Demonstrators in Physics.

#### GRADUATE COURSES.

The graduate courses consist of lectures, laboratory work, and original research work under the direction of the instructors, the lecture courses varying from year to year so that they may be pursued by students through consecutive years. A good working library containing the current

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\*Granted leave of absence for the year 1906-07.

and bound numbers of all the important physical journals is kept in the laboratory.

No undergraduates are admitted to graduate courses.

Dr. Huff offers in 1906-07 the following graduate courses:

Radioactivity.

*Three hours a week during the first semester.*

The earlier lectures deal with the motion of a charged particle in the field. A discussion of the methods of measuring the velocity of a moving charged particle, and the ratio of its charge to its mass follows. After a discussion of the various radioactive processes a brief account of the theories of the structure of the atom is given.

Discharge of Electricity through Gases.

*Three hours a week during the second semester.*

The lectures deal primarily with the study of ions and the part they play in the mechanism of the electric discharge.

Dr. Huff offers in 1908-09 the following graduate course:

Mathematical Theory of Electricity and Magnetism.

*Three hours a week throughout the year.*

The lectures are based on Maxwell's standard work, and include a somewhat detailed account of the later development of the theory.

Dr. Barnes offers in 1907-08 the following graduate course:

Physical Optics.

*Three hours a week throughout the year.*

This course gives a general mathematical discussion of physical optics. Attention will be paid to the methods and results of important investigations, bringing in the essential points.

Dr. Barnes offers in 1909-10 the following graduate course:

Thermo-dynamics and Radiation.

*Three hours a week throughout the year.*

The modern developments of thermo-dynamics and radiation are considered. Attention is paid to the application of the laws of thermo-dynamics in physical chemistry.

In each year Dr. Huff and Dr. Barnes together conduct the seminary, the journal club, and the laboratory work.

Physical Seminary and Journal Club.

*One hour a week throughout the year.*

The advanced students meet with the instructors once a week to hear or read papers on assigned topics in physics.

Laboratory work.

The laboratory work is arranged for the purpose of familiarising the student with the methods of research; the student begins by repeating methods and investigations of well-known experimenters, with any modifications that may be suggested, passing on to points of investigation left untouched by previous experimenters, and finally to the study of new methods and the prosecution of original research. Students taking physics as their chief subject for the degree of Doctor of Philosophy are expected to spend all the time possible in the laboratory. In the basement there is a constant-temperature vault designed for accurate comparison of lengths, etc., and the laboratory is

provided with special rooms for magnetic, optical, and electrical work. A well-equipped shop and a trained mechanic make it possible to have special forms of apparatus constructed which are needed in research work.

### POST-MAJOR COURSES.

Dr. Barnes offers in 1906-07 the following post-major course, open to graduate students:

#### Spectroscopy.

*Three hours a week throughout the year.*

The course begins with a complete discussion of the apparatus used in this subject; the results of past and present investigations are then considered, and problems for investigation are pointed out. The many important applications of spectroscopy to astronomy are not neglected. The standard book of reference is Kayser's *Handbuch der Spectroscopie*. Detailed reports of laboratory investigations are required and in this work Mann's *Manual of Advanced Optics* will be found useful.

Dr. Huff offers in 1907-08 the following post-major course, open to graduate students:

#### Electricity and Magnetism.

*Three hours a week throughout the year.*

The lectures of this course treat typical mathematical and experimental problems chosen from the various parts of the entire subject. Emphasis is laid upon giving clear ideas of physical phenomena. A large number of problems on potential and attraction are assigned.

Dr. Barnes offers in 1908-09 the following post-major course, open to graduate students:

#### General Optics.

*Three hours a week throughout the year.*

These lectures give a general discussion of the theories advanced to explain many phenomena in light. Students are required to have a good knowledge of elementary optics and to be sufficiently familiar with optical apparatus to undertake a detailed study of some special problem.

Dr. Huff offers in 1909-10 the following post-major courses, open to graduate students:

#### Properties of Matter.

*Three hours a week during the first semester.*

The lectures cover the general subject of the properties of matter studied from the point of view of the Molecular Theory. The different theories of matter are discussed and an account of recent investigations concerning the relations of matters and electricity is given. Poynting and Thomson's *Properties of Matter* is read in connection with the course.

#### Theory of Sound.

*Three hours a week during the second semester.*

The lectures form an introduction to the theory of modes of vibration of pipes, strings, and rods. The theory of music and of musical instruments is then studied. Poynting and Thomson's *Sound* is used during the earlier part of the course, and frequent references are made to Helmholtz and Rayleigh.



## Chemistry.

The instruction in this department is under the direction of Dr. Elmer P. Kohler, Professor of Chemistry, Dr. David Wilbur Horn, Associate Professor of Chemistry, Dr. George Shannon Forbes, Associate (elect) in Chemistry, and Miss Gertrude Langden Heritage, Demonstrator in Chemistry.

### GRADUATE COURSES.

The advanced courses in chemistry consist of lectures upon inorganic, organic, and physical chemistry, seminary work, reports upon current chemical literature, and laboratory exercises. In the laboratory work the students are required to become familiar with the literature bearing upon the subjects they are studying, and it is therefore necessary for them to have a reading knowledge of French and German.

The lecture courses are varied from year to year to meet the requirements of students and to form a consecutive course for those who wish to make chemistry the chief subject in the examination for the degree of Doctor of Philosophy. Such students may specialise either in organic chemistry, under the direction of Dr. Kohler, or in inorganic and physical chemistry, under the direction of Dr. Horn, but students who make organic chemistry the major subject of examination must take physical chemistry as one of their minor subjects, and students who make inorganic chemistry the major subject, must take organic chemistry as one of the minor subjects.

No undergraduates are admitted to graduate courses.

Dr. Kohler conducts in each year the following graduate seminary:

Chemical Seminary, Organic Chemistry. *One hour a week throughout the year.*

The students who specialise in organic chemistry present formal reports upon assigned topics.

Dr. Horn conducts in 1906-07, and Dr. Forbes will conduct in 1907-08 the following graduate seminary:

Chemical Seminary, Inorganic Chemistry.

*One hour a week throughout the year.*

The lectures are on structural inorganic chemistry, including the latest theories on the structure of inorganic compounds (stereometric isomerism).

Dr. Kohler offers in 1906-07 and again in 1908-09 the following graduate course:

Advanced Organic Chemistry.

*Three hours a week throughout the year.*

Dr. Forbes offers in 1907-08 and again in 1909-10 the following graduate course:

Physical Chemistry.

*Three hours a week throughout the year.*

The lectures give a complete survey of the subject, including relations of mass and volume, thermo-chemistry, theory of solutions, Guldberg and Waage's mass law, reaction velocities, and chemical equilibria.

The laboratory work in connection with the course includes the determination of specific gravities of solids, liquids, and gases, calorimetry, the use of the polariscope and refractrometer and the study of the conductivity of electrolytes, standardisation and calibration of instruments, determination of vapor density and molecular weights, electro-chemical measurements.

Dr. Kohler and Dr. Horn together conduct the journal club.

Chemical Journal Club.

*One hour a week throughout the year*

The advanced students, with the instructors, meet to hear reports and discussions on recent scientific articles.

#### POST-MAJOR COURSES.

Dr. Horn offers in 1906-07 and Dr. Forbes will offer in 1908-09 the following post-major course, open to graduate students:

Inorganic Chemistry.

*Three hours a week throughout the year.*

The aim of the lectures is to extend the students' knowledge of inorganic and theoretical chemistry. One hour a week is given to a discussion of the laboratory work and subjects suggested directly by it.

In the laboratory the calibrations necessary for exact quantitative analysis are taken up first, and are then used in analyses by the most accurate methods. The analysis of air, water, and foods follows, and is directed toward the detection and estimation of impurities and adulterations. The last part of the course consists of physical-chemical measurements, especially those bearing directly upon electrolytic dissociation. The laboratory course is modified when necessary to adapt it to individual students.

Dr. Kohler offers in 1907-08 and again in 1909-10 the following post-major course, open to graduate students:

Organic Chemistry, selected topics.

*Three hours a week throughout the year.*

The aim of this course is to lay the foundation for independent work in organic chemistry. The lectures begin with a study of current problems as illustrated by some particular class of organic compounds. This is followed by a discussion of the laboratory methods available for the solution of such problems.

The laboratory work is varied to meet the wants of the individual students. In general the student begins with the preparation of some of the more important substances that are discussed in the lectures. This is followed by organic analyses, molecular weight determinations, and the transformations necessary to establish the structural formulas of the substances prepared. In the second semester some elementary problem in organic chemistry is assigned to each student.

#### Geology.

The instruction in this department is under the direction of Dr. Florence Bascom,\* Professor of Geology, and Dr. Benjamin Le Roy Miller, Associate in Geology.

The instruction offered in geology includes, in addition to the minor and major courses, two hours a week of free elective

\*Dr. Bascom has been granted leave of absence for the year 1906-07 and the courses usually offered by her are given by Dr. Miller.

work, two post-major courses of three hours a week open only to graduates and to undergraduates that have completed the major course in geology and three graduate courses of five, three, and two hours a week respectively.

Post-major courses in petrography and palæontology are offered in each year, and are designed to train the student in petrographic methods for the exact determination of rock species and rock families and in the principles of invertebrate and vertebrate palæontology. They are an essential preliminary to research work in the science.

Excellent illustrative material for the graduate and undergraduate courses is furnished by the geological collections of the college, including the Theodore D. Rand rock and mineral collection, which alone contains over 20,000 specimens, by the private collections of the instructors, and by material lent by the United States Geological Survey. The department is also fortunate in its proximity to the museum of the Academy of Natural Science of Philadelphia. Within easy reach of the college there are excellent collecting fields for fossil, mineral, and rock specimens.

#### GRADUATE COURSES.

The graduate course in petrology should be preceded by the major and post-major courses or their equivalents and is intended primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy. The graduate course in mineralogy is intended to meet the needs of graduate students in chemistry who wish to make mineralogy a minor subject for the degree of Doctor of Philosophy. It is open to all graduate students who have had previous training in chemistry. The graduate course in palæontology is designed primarily for graduate students wishing to make geology a major subject for the degree of Doctor of Philosophy; it may also be taken by graduate students in biology who wish to make palæontology a minor subject for the degree of Doctor of Philosophy. Further graduate courses in petrology will be arranged to suit the requirements of candidates for the degree of Doctor of Philosophy and research problems will be assigned.

No undergraduates are admitted to graduate courses.

Dr. Bascom offers the following graduate courses:

Lectures on Petrology.

*One hour a week throughout the year.*

Field Work.

*Three hours a week throughout the year.*

Laboratory Work.

*Five hours a week throughout the year.*

The lectures deal with the problems of metamorphism of both aqueous and igneous rocks. The character of metamorphic processes and the conditions which control these

processes, the megascopic and microscopic structures, and the criteria determining the origin, classification, geographic distribution and geologic occurrence of metamorphic rocks are treated. Direction is given in research-work, map making, and advanced field work. The amount of laboratory, field work, and private reading required makes the course the equivalent of five hours a week.

Lectures on Mineralogy.

*Two hours a week throughout the year*

Laboratory Work.

*Three hours a week throughout the year.*

This course opens with lectures on morphological crystallography, illustrated by models of crystal forms and accompanied by problems in crystal projections and construction and in the determination of indices by zones; there are also lectures on molecular and dynamical physical crystallography; optical crystallography and optical methods of mineral determination are treated in detail. A large portion of the second semester is devoted to descriptive mineralogy and the discussion of important mineral species. The lectures are illustrated by minerals, and the student is encouraged to make her own collection.

In the laboratory opportunity is given for the study of crystal forms, optical methods of mineral determination, and mineral species.

Williams's *Crystallography* and the works of Hintze, Groth, Tschermak, and Dana are used as reference books.

Dr. Miller offers the following graduate course:

Lectures on Palæontology.

*One hour a week throughout the year*

Field Work.

*Three hours a week throughout the year*

Laboratory Work.

*Three and a half hours a week throughout the year.*

It is the aim of this course to give a systematic review of the fossil remains of the animal and vegetable kingdoms, and to study in detail one or more of the more important classes, or some special fauna. An endeavor is made to emphasise the principles of palæontology and the bearing of this science on the doctrine of evolution. This three-fold purpose is accomplished largely by required reading and laboratory study of fossil specimens. So far as practicable, the more detailed work will be confined to the study of forms collected by the student, which is made possible by the easy access to several good collecting regions. Nicholson and Lydekker's *Manual of Palæontology*, Bernard's *Eléments de Paléontologie*, and Zittel-Eastman's *Text-book of Palæontology* furnish the basis for systematic study. Monographs and State Reports constitute a large amount of special literature. Through the coöperation of the biological department students of palæontology are enabled to make constant comparison between fossil and living forms and thus by inference to reconstruct the entire organism of type forms.

Specially assigned problems requiring careful field examination form the basis of field work.

Dr. Bascom and Dr. Miller together conduct the journal club:

Journal Club.

*One hour a week throughout the year.*

The graduate students and the instructors meet for the presentation and discussion of recent geological literature.

#### POST-MAJOR COURSES.

Dr. Bascom offers in each year the following post-major course, open to graduate students:

Lectures on Petrography.

*Two hours a week throughout the year.*

Field Work.

*Three hours a week throughout the year.*

Laboratory Work.

*Two and a half hours a week throughout the year*



During the first semester the lectures deal with the principles of optical crystallography, the optical means of mineral determination, and the microscopical characters of rock-forming minerals. In the second semester the structure, composition, characters, origin, geographical distribution, and geological associations of the igneous rocks are treated. The new system of quantitative chemical classification of igneous rocks is used and quantitative calculations of the chief types of igneous rocks are made for the purpose of determining their position in the new system. Petrographical investigation in the field and laboratory is included in the course. The works of Groth, Rosenbusch, Zirkel, and Michel Lévy are used for reference. Special field problems are given to the students for independent solution.

Dr. Miller offers in each year the following post-major course, open to graduate students:

Lectures on Palæontology.	<i>Two hours a week throughout the year.</i>
Field Work.	<i>Three hours a week throughout the year.</i>
Laboratory Work.	<i>Two and a half hours a week throughout the year.</i>

After a brief preparatory review of the various groups of fossils, lectures on the principles of palæontology are given, special attention being paid to phylogeny. The work of Hyatt, Cope, Jackson, Beecher and many others is discussed. The different groups of fossil invertebrate animals are then systematically studied throughout the remainder of the year. Zittel-Eastman's *Text-book of Palæontology*, Vol. I, is used. Field trips are made to fossiliferous regions.

#### FREE ELECTIVE COURSES.

Dr. Miller offers in each year the following free elective courses, open to graduate students:

Lectures on Meteorology.	<i>Two hours a week during the first semester.</i>
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The lectures begin with a description and discussion of the elements and general movements of the atmosphere, the origin and progress of storms, and the various factors which determine climate. The practical phases of meteorological investigations are then considered, and in this connection special attention is given to the work of the U. S. Weather Bureau, involving descriptions of the instruments used, the data collected, and the use made of this information in the preparation of maps and the forecasting of weather conditions. The current daily weather maps are interpreted and the work is illustrated by numerous charts and meteorological instruments.

Lectures on Oceanography.	<i>Two hours a week during the second semester.</i>
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The lectures deal with the physical geography of the submerged portion of the earth. The results of the deep-sea exploring expeditions of recent years form the basis of the lectures, and the publications of these expeditions are used for reference. The physiography of the ocean bottom is compared with that of land areas and the relations existing between them are discussed.

#### Biology.

The instruction in this department is under the direction of Dr. David Hilt Tennent, Associate Professor of Biology, Dr. Joseph W. Warren, Associate Professor of Physiology, Dr. Nettie Maria Stevens, Associate in Experimental Morphology and Dr. Harriet Randolph, Demonstrator in Biology and Reader in Botany.

## GRADUATE COURSES.

The advanced courses are varied from year to year, so as to form a consecutive course for students that wish to make biology one of the chief subjects of the examination for the degree of Doctor of Philosophy. Such students may specialise either in animal morphology under the guidance of Dr. Tennent, or in animal physiology under the guidance of Dr. Warren.

No undergraduates are admitted to graduate courses.

Dr. Tennent offers in 1906-07 and again in 1909-10 the following graduate course:

The History of Evolution.

*One hour a week throughout the year.*

This course of lectures deals with the growth of the idea of organic evolution, the greater part of the course being devoted to a critical examination of the work of Lamarck, Darwin, and De Vries.

Dr. Tennent offers in 1907-08 the following graduate course:

Adaptation of Organisms.

*One hour a week throughout the year.*

In this course the adaptation of organisms to environment, the origin of adaptations and the theories that have been advanced to account for adaptation are considered.

Dr. Tennent offers in 1908-09 the following graduate course:

Problems in Embryology.

*One hour a week throughout the year.*

Germinal organisation, cleavage, and differentiation and the problems of inheritance and development are studied.

Dr. Warren offers in 1906-07 the following graduate courses:

Selected Problems of Nutrition with special reference to the Digestion and Absorption of Foods.

*One hour a week during the first semester.*

Selected Problems in Respiration and their bearing on the Nature of Metabolism, and the Problem of Animal Heat (Thermometry and Calorimetry).

*One hour a week during the second semester.*

Dr. Warren offers in 1907-08 the following graduate course:

The Physiology of the Special Senses.

*One hour a week throughout the year.*

Dr. Warren offers in 1908-09 the following graduate courses:

The Interstitial Secretion of Glands ("Internal Secretion").

*One hour a week during the first semester.*

The Problem of the Knee-jerk, and a Discussion of the Graphic Method in its Application to Physiology.

*One hour a week during the second semester.*

Dr. Stevens offers in each year the following graduate course:

Advanced Experimental Morphology.

*One hour a week throughout the year*

The topics treated in this course vary from year to year according to the needs of the graduate students attending the course and the work being done by prominent investigators in the field of experimental morphology. Special use will be made of the recent periodical literature. The subjects considered in 1905-06 and 1906-07 were sex deter-

mination, organisation of the cytoplasm of the egg, the mutation theory, some problems in regeneration, statistical methods for the study of biological variation, and experimental morphology from a historical standpoint. A selection from these topics will be given in 1907-08 unless some other topics seem more desirable. Problems for laboratory research are assigned to each student.

Dr. Tennent, Dr. Warren, and Dr. Stevens together conduct the journal club, the seminary, and the laboratory work.

#### Biological Journal Club.

*One hour a fortnight throughout the year.*

The advanced students and the instructors meet fortnightly for the discussion of topics of current biological literature.

#### Biological Seminary.

*One hour a fortnight throughout the year.*

The graduate students and the instructors meet fortnightly for the formal presentation of assigned topics.

#### Laboratory Work.

There is no regular course of laboratory instruction for graduates. Each student desiring to devote a considerable portion of her time to such work is given an experimental problem for verification or extension. The nature of the work depends in each case on the qualifications of the student.

### POST-MAJOR COURSES.

Dr. Tennent offers in 1906-07 and again in 1908-09 the following post-major course, open to graduate students:

#### Embryology.

*One hour a week throughout the year.*

This course consists of lectures and laboratory work on the embryology of the vertebrates. In the lectures an effort is made not only to discuss the embryology of specific forms but also to consider carefully the fundamental questions of embryological interest. The development of *Amphioxus*, *Ascidian*, *Amia*, *Lepidosteus*, *Squalus*, *Ctenolabrus*, *Necturus*, *Rana*, *Chick*, and *Mammal* is studied. After the study of these forms some elementary problem in embryology is assigned to each student.

Dr. Tennent offers in 1907-08 and again in 1909-10 the following post-major courses, open to graduate students:

#### Comparative Anatomy and Embryology of the Protochordates.

*One hour a week during the first semester.*

This course of lectures, assigned reading, and laboratory work is intended to supplement the major course in zoology. Types of the principal groups of the protochordates are studied in the laboratory and some individual work is assigned.

#### The Structure of Protoplasm and the Cell.

*One hour a week during the second semester*

The structure of protoplasm, the mechanism of cell division, fertilisation, reduction and some of the problems of cell organisation are described and studied.

Dr. Warren offers in each year the following post-major courses, open to graduate students:

#### Advanced Physiology.

*One hour a week throughout the year.*

The topics selected depend upon the previous training of the students, and as far as possible the preferences of the students are consulted. Occasional conferences are held for the discussion of essays prepared by the students and presenting the more important

evidence concerning the fundamental problems of physiology. By this means it is hoped to familiarise the student with the literature and with the methods of investigation.

Lectures on the Structure and Function of the Central Nervous System.

*One hour a week throughout the year.*

This course may, under special circumstances, be taken at the same time as the major course. The finer structure of the nervous system of the higher vertebrates is discussed in considerable detail. The physiology of the cord and brain is presented as fully as the time will permit. This course may also be taken as a one hour elective by properly qualified students.

Lectures and Demonstrations in Physiological Chemistry.

*Two hours a week throughout the year.*

The instruction in this course is given by lectures and conferences on selected topics and also by laboratory work of about three hours a week. It treats of the problems of secretion and excretion, and also of the principal questions of nutrition in considerable detail and with reference to the more modern theories relating to these processes. The lectures are intended to supplement those of the major year, and a preliminary training in chemistry equivalent to that obtained in the minor course is required. This course may be taken as a two hour elective by properly qualified students.

Human Osteology.

*One hour a week throughout the year.*

This course is intended for students in the preliminary medical course; it may also be taken as a free elective course by properly qualified students receiving special permission. Two hours laboratory work is required in connection with the course.

Dr. Stevens offers in each year the following post-major course, open to graduate students:

Problems in Experimental Morphology. *One hour a week throughout the year.*

The object of this course is to give a general view of experimental morphology, to discuss some of the methods employed, to point out the results already obtained, and to indicate the nature of the work now being done in this subject. The students will be referred to the most recent investigations in the subject and an attempt will be made to make them familiar with the most interesting research problems in experimental morphology. This course may be taken in exceptional cases as a one hour course with one and a half hours laboratory work or assigned reading, but it is recommended that it be taken with five hours laboratory work as a three hour course.

Dr. Tennent, Dr. Warren, and Dr. Stevens conduct laboratory work in connection with the above courses:

Laboratory Work.

It is desirable that as much laboratory work as possible should be done in connection with the courses offered above. The object of the laboratory work is to give the student experience in the use of apparatus and in adapting it to research. Some special problem is assigned to each student; at the end of the year the results of the work are presented in writing.

## COLLEGE BUILDINGS.

The college buildings are situated at Bryn Mawr, in the suburbs of Philadelphia, five miles west of the city, on the main line of the Pennsylvania Railroad. The site of the college is four hundred and twenty feet above sea level, in the midst of a beau-



tiful rolling country made accessible by good roads in every direction. The college grounds cover fifty-two acres, and include lawns, tennis courts, and two large athletic fields, one of which is converted in winter into a skating-pond.

Taylor Hall (named after the founder), a large building of Port Deposit stone, contains a general assembly room, eleven lecture-rooms, and the offices of administration.

A library, the gift of the friends, graduates, and students of the college, begun in April, 1903, was completed in February, 1907. It is built of gray stone in the Jacobean Gothic style of architecture of the period of 1630, and forms three sides of a closed quadrangle. The main building, devoted to the library proper, faces east and is opposite and parallel to Taylor Hall at a distance of about fifty yards; the principal entrances of the two buildings face each other and are connected by a broad cement path. The east front is one hundred and seventy-four feet long and contains a three story stack with accommodation for eighty-eight thousand volumes, and above this a large reading-room with desks for one hundred and thirty-six readers, each desk screened to a height of two feet, as in the British Museum reading-room, to secure privacy to the reader. No books of reference are kept in the main reading-room. Beyond the reading-room on the south side is the newspaper and magazine room, and reached through this a study room. On the north side is the Art Seminary, containing collections of photographs, vases, and coins. The main building contains offices for the librarians and cataloguers, a study room for the non-resident students, and four cloak rooms. The wings of the building, running symmetrically about two hundred feet in length from the north and south ends of the main building, contain twelve seminary rooms and twenty-five professors' offices. There is accommodation in each seminary room for ten or twelve graduate students, and graduate lectures are held in the seminary rooms, where the books needed principally for graduate and research work are kept. The total book capacity of the library, including the books for general study which are kept in the stack, is 168,449 volumes. The building is absolutely fireproof. The seminaries are arranged as follows: Greek, Latin, English, German, French, Italian and Spanish, and Philosophy in the north wing; Mathematics, History, Economics, Psychology, and

Semitic Languages in the south wing. Professors' offices for the senior professors in each department adjoin the seminary rooms. There are also two seminary lecture-rooms accommodating about fifteen students, one general lecture-room accommodating forty-two students, four interview rooms, and a library for the use of the Christian Union of the Students.

On the first floor of the south wing the department of experimental psychology has two large laboratories, one for general work and one for research. The basement of the north wing contains rooms for the Monograph Committee of the Faculty, the Alumnæ Association, the Students' Association for Self-Government, and fireproof safe rooms for the records and archives of the college. The quadrangular court enclosed by the building is surrounded by cloisters and in the center of the grass enclosure is a fountain, the gift of the class of 1901.

In January, 1893, the scientific departments of the college were transferred to Dalton Hall, a stone building erected by the Trustees out of funds in large part contributed by the generosity of friends of the college. Dalton Hall is entirely occupied by the scientific departments, the special scientific libraries, and the consultation-rooms of the professors of science. The first floor and the basement are reserved for physics, the second floor is reserved for biology, the third floor for chemistry, and the fourth and fifth floors for geology. In December, 1893, a greenhouse designed for the use of the botanical department was added to Dalton Hall as the gift of the alumnæ and students.

Around Taylor Hall the Trustees have erected halls of residence for the accommodation of students. Plans, drawings, and descriptions of the six halls of residence, Merion Hall, Radnor Hall, Denbigh Hall, Pembroke Hall East, Pembroke Hall West and Rockefeller Hall, the gift of Mr. John D. Rockefeller, and of the academic buildings, Taylor Hall, the Library, and Dalton Hall, are published in a separate pamphlet to be obtained from the Secretary of the College.

The gymnasium, which is open to the students at all times, contains a large hall for gymnastic exercises, with a running or walking track for use in rainy weather; a room for the director, and an adjoining room for the examination and record of the physical development of the students. In the basement are

bathrooms for use after exercise and a swimming-tank, seventy-four feet long, twenty feet wide, and from four to seven and a half feet deep, given in 1894 by the alumnae, students, and friends of the college, and well supplied with spring boards, life preservers, and other apparatus for the teaching of swimming. The gymnasium was built in accordance with the plans of Dr. Sargent, is furnished with his complete apparatus, and is under the charge of a director and two assistants.

There is on the grounds, separated from the other buildings, a cottage infirmary, or hospital, with accommodation for patients and nurses, and its own kitchen and bathrooms.

A central power-house, which was erected in 1903 as part of the gift of Mr. John D. Rockefeller, furnishes heat, electric light, and hot water for all the college buildings. Steam is conducted through tunnels underground to coils in the basement of each building. Air brought in from the outside is blown through the heaters by powerful fans and distributed to the various rooms, and the piping system is so adjusted as to change the air completely in every room once in every ten minutes throughout the day and night. The temperature is regulated by thermostats in the heating coils as well as in the individual rooms. The electric lights, including electric reading-lamps for each student, are installed in the most approved manner and the voltage is kept constant so that there is no fluctuation. A constant and abundant supply of hot water is laid on and maintained at a temperature of 180 degrees, during all the twenty-four hours of the day, in all the bathrooms and stationary washstands and tea pantries.

The Delaware and Atlantic Telegraph and Telephone Company, a branch of the long-distance Bell Telephone Company, maintains telephone pay stations in each of the halls of residence, in the library and in the gymnasium, by means of which the students may be communicated with at any time. Near the college are a Postal Telegraph-Cable Company office (service 6 A. M. to 12 P. M.), an Adams Express office, a United States money-order office, and two banks. There are good roads in every direction. Horses for riding and driving may be kept at livery near the college, at a cost of twenty-five dollars a month.



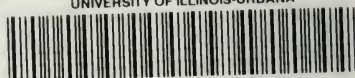








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